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Housing Units Authorized in Virginia's Counties and Cities:

3rd and 4th Quarters, 1986

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INTRODUCTION

Building activity is one of the most frequently used indicators of economic and demographic change. At present, the number of housing units authorized by local building permits is the best measure of housing starts available. The information contained in this report is supplied by local building officials to the Construction Division of the U.S. Bureau of the Census. The Bureau, in turn, forwards the data to the Center for Public Service where they are tabulated and compiled.

In this release the number of residential building permits issued for housing units in Virginia counties, cities, and planning districts for July-September 1986 is detailed in Table 1 and for October-December in Table 2. The data in this series include the number of permits issued by structure type, the aggregate value of these permits, the number and cost of mobile home permits, and the number of demolitions recorded in each locality.

Readers should note that we are continuing the policy of not publishing data imputed by the Census Bureau. Localities that did not file the appropriate number of monthly reports are identified by footnotes in both tables. Also, some jurisdictions make annual rather than monthly reports. These localities are also noted in both tables.

This report analyzes and integrates current housing authorization reports, including data presented in previous editions covering the period from 1970 to the present. It is hoped that the analysis presented here will be useful to the reader both to give some idea of the trends in building activity since 1970, and also to acquaint the user with the nature of the data and of its possible interpretations.

The reader should bear in mind that the cost figures reported here are estimated construction costs submitted by the builders. They are not reported cost-at-completion of the units, nor do they include land cost or profit margin for the builder. In addition, the Census Bureau estimates that, nationwide, underestimation of costs runs from about 17.5 percent for single units, to about 30 percent for 2 and 3-4 unit structures, to more than 50 percent for 5+ unit structures. Average cost per unit data, therefore, cannot be taken as an estimate of the price of housing to the consumer. Despite these limitations, construction costs constitute a large proportion of the total market cost of housing, and thus the reported figures provide an important means of comparison among localities and for one area over time. Data on the number of permits issued are considerably more reliable than the data for costs. The Census Bureau considers their estimates of housing authorizations in Virginia to be accurate to within plus or minus 1 percent.

Figure 1. Number of Permits Issued, Annual Series, 1970 – 1985

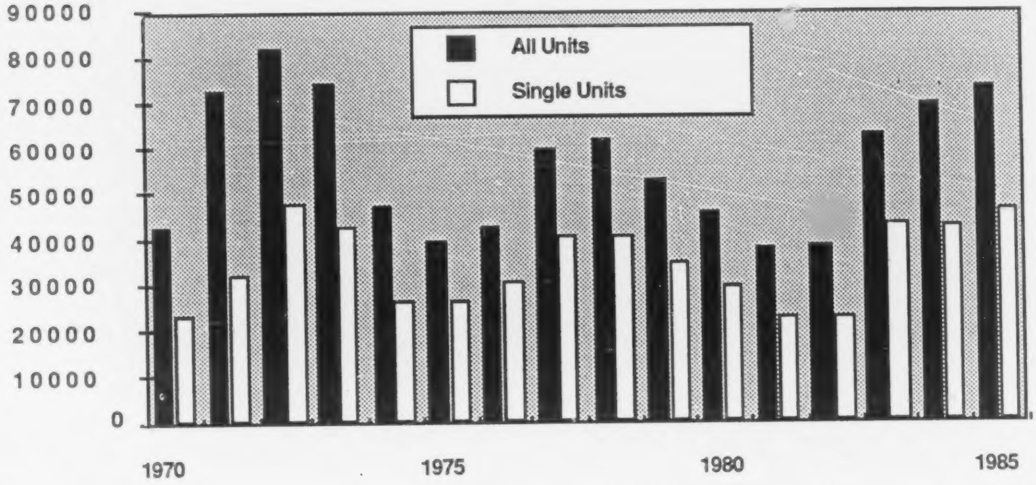


Figure 2. Average Value of Permits Per Unit, Annual Series, 1970 – 1985

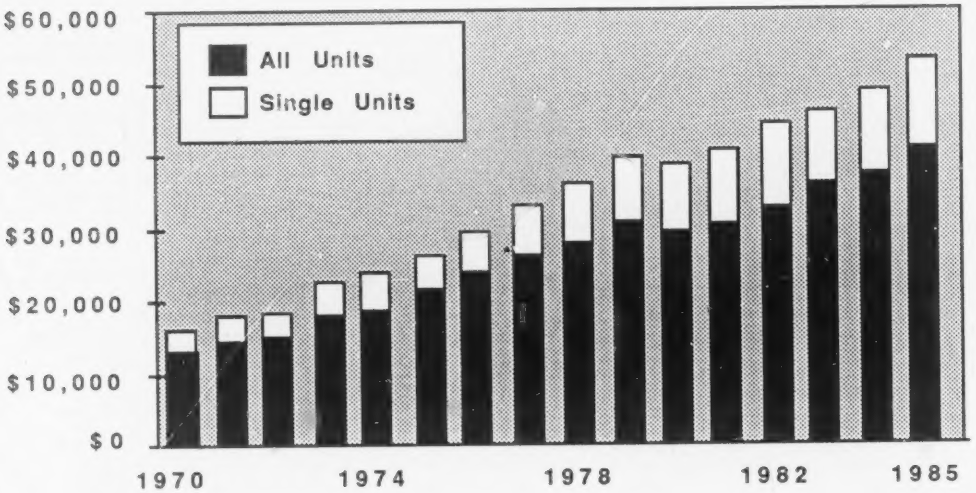


Figure 3. Number of Permits Issued, Quarterly Series, 1976:1 – 1986:4

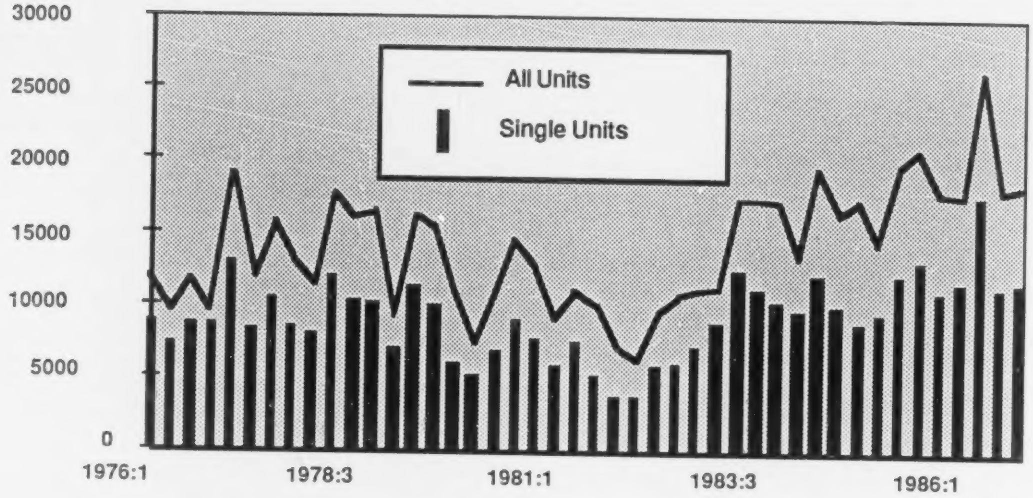
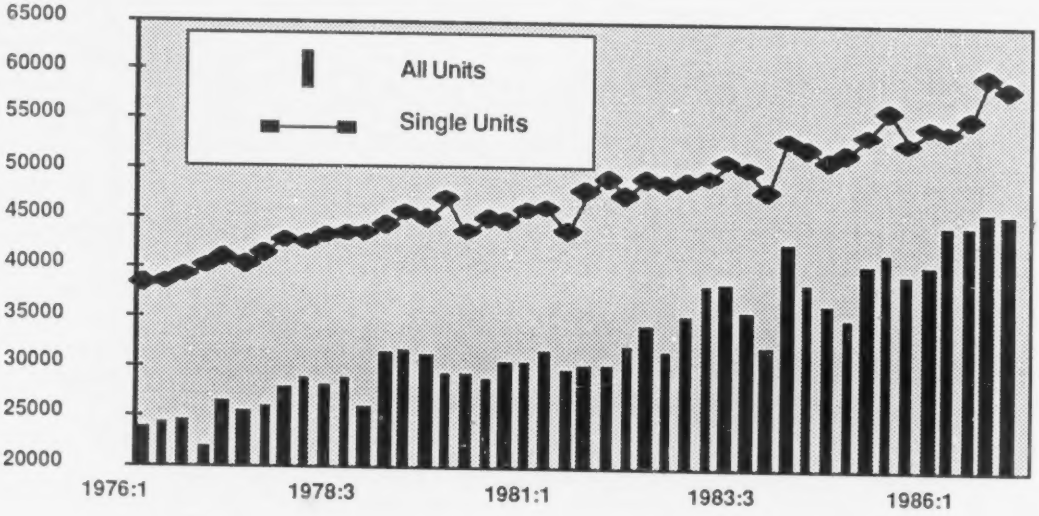


Figure 4. Average Value of Permits Per Unit, Quarterly Series, 1976:1 – 1986:4



MAJOR FINDINGS

- The population of Virginia increased 8.2 percent between April 1, 1980 and July 1, 1986, from 5,346,818 to 5,787,000.
- Between April 1, 1980 and December 31, 1986, permits for 396,508 housing units (including mobile homes) were issued. This represents an increase of 19.6 percent over the 2,020,941 units counted in the 1980 decennial census. See Figures 1 and 3.
- Since 1970 the cost of constructing a single family dwelling has increased by 273 percent, from $16,050 to $59,897. Since the first quarter of 1980 construction costs have increased by 62.3 percent. See Figures 2 and 4.
- As shown in Chart A the value of housing constructed in the Commonwealth during 1985 was about $3 billion, an increase of 16 percent compared to 1984. In constant dollars the increase was 13.5 percent.
- As shown in Chart B the value of nonresidential construction in the Commonwealth during 1985 was about $1.42 billion, an increase of 14.6 percent compared to 1984. In constant dollars the increase was 12.7 percent.

Chart A.
Aggregate Residential Construction Costs, Virginia: 1970–1985

Year	Value of Construction in Current Dollars (in Millions $)	Census Bureau Construction Cost Index	Deflated Value of Construction in Constant 1977 Dollars
1970	544.7	56.5	964.1
1971	1,023.0	59.6	1,716.4
1972	1,237.2	63.5	1,948.3
1973	1,332.9	69.5	1,917.8
1974	879.7	76.6	1,148.4
1975	838.9	83.5	1,004.7
1976	1,003.8	89.5	1,121.6
1977	1,564.5	100.0	1,564.5
1978	1,703.2	114.3	1,490.1
1979	1,617.3	129.3	1,250.8
1980	1,357.3	143.3	947.2
1981	1,134.8	154.6	734.0
1982	1,260.3	158.2	796.6
1983	2,257.8	161.8	1,395.4
1984	2,601.8	168.2	1,546.8
1985	3,018.9	171.9	1,756.2

Census Bureau Construction Cost Index from Construction Review, table E–1, volume 32, number 2, March/April 1986.
Deflated value = current value x (100 / index value).

Chart B.
Aggregate Nonresidential Construction Costs, Virginia: 1980–1985

Year	Value of Construction in Current Dollars (in Millions $)	Boeckh Index for Commercial Buildings	Deflated Value of Construction in Constant 1977 Dollars
1980	664.9	127.7	520.7
1981	781.6	140.1	557.9
1982	790.4	151.9	520.3
1983	1,013.6	159.9	633.9
1984	1,242.8	166.2	747.8
1985	1,425.5	169.1	842.4

Boeckh Index from *Construction Review*, table E–1, volume 32, number 2, March/April 1986.
Deflated value = current value x (100 / index value).

THIRD QUARTER TRENDS

During the third quarter of 1986 17,971 housing units were authorized for construction in Virginia. This level of building activity represents a 20 percent increase over the previous five third quarters (from 1981 to 1985) when an average of 15,000 permits were issued each quarter. Despite this above average performance, permit activity during 1986:3 was down by nearly 14 percent compared to the same period a year ago, and is also down (by 31 percent) from the previous quarter. The value of permits issued during 1986:3 was $823.2 million, compared to $823.5 million during 1985:3. A total of 11,220 single family housing unit permits were issued in the third quarter, an increase of 24 percent over the five year average of 9,050 units per quarter. Compared to the same quarter a year ago, however, 14 percent fewer permits were issued, and compared to the last quarter (1986:2), 36 percent fewer permits were issued.

While building trends in Virginia usually mirror national trends, this was clearly not the case during the third quarter. Building activity in the third quarter was significantly lower in comparison to the previous quarter and the same quarter a year ago, but the reduction in activity was much more pronounced in Virginia than in the nation. Total units issued, for example, declined 31 percent in Virginia, but only 12 percent in the U.S. from 1986:2 to 1986:3. Comparing 1985:3 and 1986:3, there was a 13.6 percent reduction statewide, but only a 4.7 percent reduction nationally.

Construction costs, which had been steady at about $44,500 per unit during the first and second quarters of the year, increased by 0.7 percent during the third quarter, to $45,806. Single family unit costs also increased on a per unit basis, from $55,021 during the second quarter to $61,600 during the third quarter, an increase of 12 percent.

A significant proportion of all building permits issued in the Commonwealth were concentrated in three areas of the state – Northern Virginia, Richmond, and the Tidewater. Permits for 5,190 units, 28.9 percent of the state total, were issued in the Northern Virginia Planning District (PD). The Richmond Regional PD issued 2,045 permits, equal to 11.4 percent of the state total. In the Tidewater area Southeastern Virginia PD accounted for 2,357 permits, or 13.1 percent of the state total. The Peninsula PD issued 1,455 permits, for 8.1 percent of the state total. Together these three areas accounted for 61 percent of all permits issued statewide, and for 68 percent of the total value of all permits issued.

FOURTH QUARTER TRENDS

During the fourth quarter 18,466 housing units were authorized for construction in Virginia. This level of building activity represents a 32 percent increase over the previous five fourth quarters when an average of 13,950 permits were issued in each quarter. Building activity during 1986:4 was also greater than during the same quarter a year ago (up by 3.9 percent), as well as being higher than the previous quarter (up by 2.8 percent). The value of permits issued during 1986:4 was $841.7 million, compared to $718.6 million during 1985:4, an increase of 17 percent. A total of 11,621 single family housing unit permits were issued in the fourth quarter, an increase of 43 percent over the five year average of 8,150 units per quarter. Compared to the same quarter a year ago, 1986:4 represents an increase of 7.1 percent in the number of single family unit permits issued. There was, in addition, a slight increase in the number of single family unit permits issued between 1986:3 and 1986:4, up 3.6 percent.

Building activity in Virginia during the third quarter differed significantly from the national pattern, and this was again true in the fourth quarter. However, unlike the third quarter, when building activity in the state declined more rapidly than in the nation, in the fourth quarter building activity in the state outperformed the national economy. Between the third and fourth quarters the total number of permits issued in Virginia increased by 2.8 percent, while the number of single family unit permits increased 3.6 percent. Nationally the total number of permits issued declined 16.2 percent, while the volume of single family unit permits issued declined by nearly a fifth.

Per unit construction costs had increased sharply for single family units and moderately for all unit types during the third quarter. In the fourth quarter per unit construction costs declined slightly from their third quarter levels. For all unit types combined there was a slight drop, from $45,806 during the third quarter to $45,581 during the fourth. For single family units the decrease was slightly greater, from $61,600 to $59,897.

As was true in the third quarter, building permit activity was heavily concentrated in three areas of the state – Northern Virginia, Richmond, and the Tidewater. The Northern Virginia PD issued 5,271 permits during the fourth quarter, equal to 28.5 percent of the state total. The Richmond Regional PD issued 2,600 permits, for 14.1 percent of the state total. In the Tidewater region the Southeastern Virginia and Peninsula PDs issued 2,549 and 1,619 permits, respectively, equal to 13.8 and 8.8 percent of the total number of permits issued. These four planning districts accounted for about 65 percent of total building activity in the Commonwealth.

Table 1.
Housing Units Authorized in Virginia Localities, 3rd Quarter 1986

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack	97	3,254.7	45	659.8	52	2,594.9	52	2,594.9
2	Albemarle	257	13,840.5	11	83.2	246	13,757.3	118	9,855.6
3	Alleghany	43	628.5	29	179.0	14	449.5	14	449.5
4	Amelia	RA	—	—	—	—	—	—	—
5	Amherst	76	2,449.0	39	452.8	37	1,996.3	37	1,996.3
6	Appomattox	50	1,491.1	34	523.5	16	967.6	14	937.6
7	Arlington	350	10,156.7	0	0.0	350	10,156.7	77	4,409.7
8	Augusta	206	7,960.7	94	1,083.6	112	6,877.1	112	6,877.1
9	Bath (1)	13	245.5	3	27.5	10	218.0	4	218.0
10	Bedford	RA	—	—	—	—	—	—	—
11	Bland	21	424.1	12	117.0	9	307.1	9	307.1
12	Botetourt	RA	—	—	—	—	—	—	—
13	Brunswick	RA	—	—	—	—	—	—	—
14	Buchanan	82	1,379.4	69	795.4	13	584.0	13	584.0
15	Buckingham	RA	—	—	—	—	—	—	—
16	Campbell	131	4,134.5	78	1,078.7	53	3,055.7	49	2,945.7
17	Caroline (1)	34	3,597.6	15	168.5	19	3,429.2	19	3,429.2
18	Carroll	107	2,200.1	79	949.2	28	1,251.0	28	1,251.0
19	Charles City (1)	21	877.3	8	94.2	13	783.1	13	783.1
20	Charlotte	34	1,054.7	19	189.2	15	865.5	15	865.5
21	Chesterfield	822	39,645.9	33	456.4	789	39,189.5	789	39,189.5
22	Clarke	22	1,240.8	2	19.8	20	1,221.0	20	1,221.0
23	Craig	RA	—	—	—	—	—	—	—
24	Culpeper (1)	17	486.2	1	18.5	16	467.7	9	327.7
25	Cumberland	RA	—	—	—	—	—	—	—
26	Dickenson	RA	—	—	—	—	—	—	—
27	Dinwiddie	51	1,853.6	22	304.3	29	1,549.3	29	1,549.3
28	Essex	RA	—	—	—	—	—	—	—
29	Fairfax	2,734	174,685.3	0	0.0	2,734	174,685.3	2,497	166,226.2
30	Fauquier (1)	163	17,222.6	4	71.0	159	17,151.6	159	17,151.6
31	Floyd	21	757.0	0	0.0	21	757.0	21	757.0
32	Fluvanna	RA	—	—	—	—	—	—	—
33	Franklin	153	4,421.4	77	887.7	76	3,533.7	76	3,533.7
34	Frederick	168	8,040.8	4	70.2	164	7,970.6	140	7,490.6
35	Giles	40	624.0	29	NA	11	624.0	11	624.0
36	Gloucester	353	14,502.1	147	2,315.4	206	12,186.8	136	9,353.8
37	Goochland	79	4,476.1	18	248.9	61	4,227.1	61	4,227.1
38	Grayson	71	1,801.0	33	305.0	38	1,496.0	38	1,496.0
39	Greene	RA	—	—	—	—	—	—	—
40	Greensville	RA	—	—	—	—	—	—	—
41	Halifax	20	954.4	0	0.0	20	954.4	20	954.4
42	Hanover	439	15,214.3	57	788.3	382	14,426.0	250	11,365.0
43	Henrico	507	21,028.0	2	34.6	505	20,993.4	418	19,392.8
44	Henry	223	5,511.4	177	2,040.5	46	3,470.9	40	3,320.9
45	Highland	RA	—	—	—	—	—	—	—
46	Isle of Wight	88	2,575.9	40	NA	48	2,575.9	48	2,575.9
47	James City	227	19,721.1	1	13.8	226	19,707.3	201	18,777.9
48	King and Queen	RA	—	—	—	—	—	—	—

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	97	1
4	195.8	7	349.9	117	3,355.9	0	0	0	257	2
0	0.0	0	0.0	0	0.0	4	0	4	39	3
—	—	—	—	—	—	—	—	—	—	4
0	0.0	0	0.0	0	0.0	0	0	0	76	5
2	30.0	0	0.0	0	0.0	0	0	0	50	6
0	0.0	0	0.0	273	5,747.0	6	0	6	344	7
0	0.0	0	0.0	0	0.0	3	0	3	203	8
6	NA	0	0.0	0	0.0	0	0	0	13	9
—	—	—	—	—	—	—	—	—	—	10
0	0.0	0	0.0	0	0.0	0	0	0	21	11
—	—	—	—	—	—	—	—	—	—	12
—	—	—	—	—	—	—	—	—	—	13
0	0.0	0	0.0	0	0.0	1	0	1	81	14
—	—	—	—	—	—	—	—	—	—	15
4	110.0	0	0.0	0	0.0	1	0	1	130	16
0	0.0	0	0.0	0	0.0	0	0	0	34	17
0	0.0	0	0.0	0	0.0	0	0	0	107	18
0	0.0	0	0.0	0	0.0	1	0	1	20	19
0	0.0	0	0.0	0	0.0	0	0	0	34	20
0	0.0	0	0.0	0	0.0	2	0	2	820	21
0	0.0	0	0.0	0	0.0	0	0	0	22	22
—	—	—	—	—	—	—	—	—	—	23
0	0.0	0	0.0	7	140.0	1	0	1	16	24
—	—	—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	—	—	26
0	0.0	0	0.0	0	0.0	0	0	0	51	27
—	—	—	—	—	—	—	—	—	—	28
0	0.0	0	0.0	237	8,459.1	43	0	43	2,691	29
0	0.0	0	0.0	0	0.0	0	0	0	163	30
0	0.0	0	0.0	0	0.0	0	0	0	21	31
—	—	—	—	—	—	—	—	—	—	32
0	0.0	0	0.0	0	0.0	4	0	4	149	33
0	0.0	0	0.0	24	480.0	0	0	0	168	34
0	0.0	0	0.0	0	0.0	0	0	0	40	35
2	53.0	0	0.0	68	2,780.0	0	0	0	353	36
0	0.0	0	0.0	0	0.0	0	0	0	79	37
0	0.0	0	0.0	0	0.0	0	0	0	71	38
—	—	—	—	—	—	—	—	—	—	39
—	—	—	—	—	—	—	—	—	—	40
0	0.0	0	0.0	0	0.0	0	0	0	20	41
0	0.0	0	0.0	132	3,061.0	0	0	0	439	42
0	0.0	0	0.0	87	1,600.5	19	0	19	488	43
0	0.0	0	0.0	6	150.0	0	0	0	223	44
—	—	—	—	—	—	—	—	—	—	45
0	0.0	0	0.0	0	0.0	0	0	0	88	46
0	0.0	25	929.3	0	0.0	0	0	0	227	47
—	—	—	—	—	—	—	—	—	—	48

Table 1. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
49	King George	94	2,858.4	34	NA	60	2,858.4	50	2,593.9
50	King William	35	1,426.4	5	25.5	30	1,400.9	30	1,400.9
51	Lancaster	32	2,015.0	10	120.2	22	1,894.8	20	1,734.8
52	Lee	88	1,626.9	64	585.2	24	1,041.7	24	1,041.7
53	Loudoun	756	33,939.2	0	0.0	756	33,939.2	423	25,083.9
54	Louisa (1)	172	5,104.1	35	403.5	137	4,700.6	66	3,089.0
55	Lunenburg	RA	—	—	—	—	—	—	—
56	Madison	17	724.3	2	14.6	15	709.7	15	709.7
57	Mathews	RA	—	—	—	—	—	—	—
58	Mecklenburg	109	2,905.2	72	960.2	37	1,945.0	22	945.0
59	Middlesex	RA	—	—	—	—	—	—	—
60	Montgomery (2)	93	2,595.9	45	518.8	48	2,077.2	48	2,077.2
61	Nelson	65	3,753.8	15	232.5	50	3,521.4	50	3,521.4
62	New Kent	53	2,815.3	3	41.5	50	2,773.8	50	2,773.8
63	Northampton	RA	—	—	—	—	—	—	—
64	Northumberland	42	2,797.8	0	0.0	42	2,797.8	42	2,797.8
65	Nottoway	RA	—	—	—	—	—	—	—
66	Orange	RA	—	—	—	—	—	—	—
67	Page	68	1,597.6	31	358.6	37	1,239.0	37	1,239.0
68	Patrick	RA	—	—	—	—	—	—	—
69	Pittsylvania	274	6,540.3	176	1,795.2	98	4,745.1	92	4,620.1
70	Powhatan	57	2,998.3	2	12.0	55	2,986.3	53	2,926.3
71	Prince Edward	RA	—	—	—	—	—	—	—
72	Prince George (1)	55	3,707.2	0	0.0	55	3,707.2	55	3,707.2
73	Prince William (3)	1,305	61,039.3	0	0.0	1,305	61,039.3	993	59,306.1
74	Pulaski (4)	90	1,859.4	47	508.1	43	1,351.2	23	1,087.3
75	Rappahannock	RA	—	—	—	—	—	—	—
76	Richmond	25	445.7	16	81.0	9	364.7	9	364.7
77	Roanoke	248	10,618.7	26	359.6	222	10,259.1	182	9,529.0
78	Rockbridge	29	1,254.0	0	0.0	29	1,254.0	29	1,254.0
79	Rockingham	256	8,612.5	80	922.2	176	7,690.3	110	6,050.3
80	Russell	108	1,595.0	90	758.0	18	837.0	18	837.0
81	Scott	68	1,629.2	43	594.7	25	1,034.5	25	1,034.5
82	Shenandoah	109	4,930.3	16	138.3	93	4,792.0	67	4,027.0
83	Smyth	84	1,641.0	64	737.8	20	903.2	20	903.2
84	Southampton	45	1,513.6	27	361.0	18	1,152.6	18	1,152.6
85	Spotsylvania	432	24,469.2	83	956.8	349	23,512.4	309	22,887.4
86	Stafford	266	19,719.0	74	1,569.2	192	18,149.8	192	18,149.8
87	Surry	47	1,541.3	29	273.0	18	1,268.4	18	1,268.4
88	Sussex	27	473.7	23	267.1	4	206.6	4	206.6
89	Tazewell	126	2,915.4	104	1,308.1	22	1,607.4	18	916.2
90	Warren	76	3,534.6	6	101.6	70	3,433.0	70	3,433.0
91	Washington	145	3,589.4	69	954.3	76	2,635.1	66	2,392.0
92	Westmoreland	44	2,926.6	0	0.0	44	2,926.6	44	2,926.6
93	Wise	112	1,866.1	88	1,014.5	24	851.6	24	851.6
94	Wythe	89	2,425.4	51	609.5	38	1,815.9	38	1,815.9
95	York	152	10,776.3	6	4.2	146	10,772.0	142	10,482.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
2	64.5	8	200.0	0	0.0	0	0	0	94	49
0	0.0	0	0.0	0	0.0	0	0	0	35	50
2	160.0	0	0.0	0	0.0	0	0	0	32	51
0	0.0	0	0.0	0	0.0	0	0	0	88	52
4	133.9	12	436.6	317	8,284.8	0	0	0	756	53
2	34.9	8	179.7	61	1,397.0	0	0	0	172	54
—	—	—	—	—	—	—	—	—	—	55
0	0.0	0	0.0	0	0.0	0	0	0	17	56
—	—	—	—	—	—	—	—	—	—	57
0	0.0	0	0.0	15	1,000.0	0	0	0	109	58
—	—	—	—	—	—	—	—	—	—	59
0	0.0	0	0.0	0	0.0	0	0	0	93	60
0	0.0	0	0.0	0	0.0	0	0	0	65	61
0	0.0	0	0.0	0	0.0	1	0	1	52	62
—	—	—	—	—	—	—	—	—	—	63
0	0.0	0	0.0	0	0.0	0	0	0	42	64
—	—	—	—	—	—	—	—	—	—	65
—	—	—	—	—	—	—	—	—	—	66
0	0.0	0	0.0	0	0.0	1	0	1	67	67
—	—	—	—	—	—	—	—	—	—	68
2	65.0	4	60.0	0	0.0	0	0	0	274	69
2	60.0	0	0.0	0	0.0	0	0	0	57	70
—	—	—	—	—	—	—	—	—	—	71
0	0.0	0	0.0	0	0.0	0	0	0	55	72
0	0.0	0	0.0	312	1,733.3	2	0	2	1,303	73
0	0.0	0	0.0	20	264.0	1	0	1	89	74
—	—	—	—	—	—	—	—	—	—	75
0	0.0	0	0.0	0	0.0	0	0	0	25	76
4	112.6	0	0.0	36	617.5	4	0	4	244	77
0	0.0	0	0.0	0	0.0	0	0	0	29	78
8	400.0	0	0.0	58	1,240.0	0	0	0	256	79
0	0.0	0	0.0	0	0.0	0	0	0	108	80
0	0.0	0	0.0	0	0.0	0	0	0	68	81
0	0.0	0	0.0	26	765.0	1	0	1	108	82
0	0.0	0	0.0	0	0.0	0	0	0	84	83
0	0.0	0	0.0	0	0.0	2	0	2	43	84
0	0.0	0	0.0	40	625.0	0	0	0	432	85
0	0.0	0	0.0	0	0.0	0	0	0	266	86
0	0.0	0	0.0	0	0.0	0	0	0	47	87
0	0.0	0	0.0	0	0.0	0	0	0	27	88
0	0.0	4	691.2	0	0.0	0	0	0	126	89
0	0.0	0	0.0	0	0.0	1	0	1	75	90
2	30.7	3	92.4	5	120.0	0	0	0	145	91
0	0.0	0	0.0	0	0.0	0	0	0	44	92
0	0.0	0	0.0	0	0.0	0	0	0	112	93
0	0.0	0	0.0	0	0.0	0	0	0	89	94
0	0.0	4	290.0	0	0.0	4	0	4	148	95

Table 1. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria (5)	29	2,206.0	0	0.0	29	2,206.0	29	2,206.0
97	Bedford	5	96.5	4	NA	1	96.5	1	96.5
98	Bristol	26	983.5	0	0.0	26	983.5	16	753.5
99	Buena Vista	RA	—	—	—	—	—	—	—
100	Charlottesville	12	520.6	0	0.0	12	520.6	6	352.6
101	Chesapeake	1,118	60,600.8	6	97.4	1,112	60,503.4	521	38,426.8
102	Clifton Forge (1)	0	0.0	0	0.0	0	0.0	0	0.0
103	Colonial Heights	13	584.6	0	0.0	13	584.6	13	584.6
104	Covington	1	48.0	0	0.0	1	48.0	1	48.0
105	Danville	13	541.5	5	66.5	8	475.0	8	475.0
106	Emporia	RA	—	—	—	—	—	—	—
107	Fairfax	15	975.0	0	0.0	15	975.0	15	975.0
108	Falls Church	0	0.0	0	0.0	0	0.0	0	0.0
109	Franklin	RA	—	—	—	—	—	—	—
110	Fredericksburg	2	141.6	0	0.0	2	141.6	2	141.6
111	Galax	14	276.0	6	NA	8	276.0	4	176.0
112	Hampton	373	14,390.9	8	110.6	365	14,280.2	245	12,140.2
113	Harrisonburg	111	4,219.7	8	92.2	103	4,127.5	64	3,109.5
114	Hopewell	125	1,703.4	0	0.0	125	1,703.4	67	1,214.0
115	Lexington (6)	0	0.0	0	0.0	0	0.0	0	0.0
116	Lynchburg	143	6,083.5	14	122.2	129	5,961.3	52	3,047.3
117	Manassas (7)	0	0.0	0	0.0	0	0.0	0	0.0
118	Manassas Park	1	43.0	0	0.0	1	43.0	1	43.0
119	Martinsville	RA	—	—	—	—	—	—	—
120	Newport News	679	23,510.5	60	1,079.4	619	22,431.1	283	14,394.6
121	Norfolk	433	9,612.7	0	0.0	433	9,612.7	77	3,298.3
122	Norton	RA	—	—	—	—	—	—	—
123	Petersburg	55	816.1	15	174.1	40	642.0	9	214.0
124	Poquoson	18	1,492.5	1	13.8	17	1,478.7	17	1,478.7
125	Portsmouth	93	4,844.0	0	0.0	93	4,844.0	93	5,268.0
126	Radford	22	931.0	1	6.0	21	925.0	6	545.0
127	Richmond	67	2,789.3	0	0.0	67	2,789.3	65	2,729.3
128	Roanoke	286	6,976.3	0	0.0	286	6,976.3	18	1,027.7
129	Salem	36	1,880.0	0	0.0	36	1,880.0	32	1,759.0
130	South Boston	2	137.7	0	0.0	2	137.7	2	137.7
131	Staunton	RA	—	—	—	—	—	—	—
132	Suffolk (1)	114	6,459.3	28	516.7	86	5,942.6	80	5,769.6
133	Virginia Beach	466	31,294.6	0	0.0	466	31,294.6	419	29,775.6
134	Waynesboro	RA	—	—	—	—	—	—	—
135	Williamsburg	6	795.0	0	0.0	6	795.0	6	795.0
136	Winchester	80	2,981.0	0	0.0	80	2,981.0	35	1,991.0
	PLANNING DISTRICTS								
137	LENOWISCO	268	5,122.2	195	2,194.4	73	2,927.8	73	2,927.8
138	Cumberland Plateau	316	5,889.8	263	2,861.5	53	3,028.4	49	2,337.2

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	29	96
0	0.0	0	0.0	0	0.0	0	0	0	5	97
10	230.0	0	0.0	0	0.0	2	0	2	24	98
—	—	—	—	—	—	—	—	—	—	99
6	168.0	0	0.0	0	0.0	8	0	8	4	100
14	491.5	4	150.8	573	21,434.3	16	0	16	1,102	101
0	0.0	0	0.0	0	0.0	0	0	0	0	102
0	0.0	0	0.0	0	0.0	0	0	0	13	103
0	0.0	0	0.0	0	0.0	1	0	1	0	104
0	0.0	0	0.0	0	0.0	7	0	7	6	105
—	—	—	—	—	—	—	—	—	—	106
0	0.0	0	0.0	0	0.0	3	0	3	12	107
0	0.0	0	0.0	0	0.0	0	0	0	0	108
—	—	—	—	—	—	—	—	—	—	109
0	0.0	0	0.0	0	0.0	0	0	0	2	110
4	100.0	0	0.0	0	0.0	13	0	13	1	111
0	0.0	0	0.0	120	2,140.0	4	0	4	369	112
4	100.0	15	408.0	20	510.0	7	0	7	104	113
58	489.4	0	0.0	0	0.0	8	0	8	117	114
0	0.0	0	0.0	0	0.0	0	0	0	0	115
2	260.0	0	0.0	75	2,654.0	12	0	12	131	116
0	0.0	0	0.0	0	0.0	0	0	0	0	117
0	0.0	0	0.0	0	0.0	0	0	0	1	118
—	—	—	—	—	—	—	—	—	—	119
4	234.0	4	97.5	328	7,705.0	10	0	10	669	120
28	634.5	48	841.9	280	4,838.0	122	0	122	311	121
—	—	—	—	—	—	—	—	—	—	122
2	28.0	0	0.0	29	400.0	2	0	2	53	123
0	0.0	0	0.0	0	0.0	0	0	0	18	124
0	0.0	0	0.0	16	158.1	10	0	10	83	125
0	0.0	0	0.0	15	380.0	5	0	5	17	126
2	60.0	0	0.0	0	0.0	35	0	35	32	127
8	140.5	0	0.0	260	5,808.1	17	0	17	269	128
4	121.0	0	0.0	0	0.0	7	0	7	29	129
0	0.0	0	0.0	0	0.0	0	0	0	2	130
—	—	—	—	—	—	—	—	—	—	131
6	173.0	0	0.0	0	0.0	7	0	7	107	132
14	599.0	0	0.0	33	920.0	13	0	13	453	133
—	—	—	—	—	—	—	—	—	—	134
0	0.0	0	0.0	0	0.0	1	0	1	5	135
4	130.0	0	0.0	41	860.0	6	0	6	74	136
0	0.0	0	0.0	0	0.0	0	0	0	268	137
0	0.0	4	691.2	0	0.0	1	0	1	315	138

Table 1. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	557	13,340.5	314	3,672.8	243	9,667.8	219	9,094.7
140	New River Valley	266	6,767.3	122	1,032.9	144	5,734.4	109	5,090.5
141	Fifth	614	20,151.5	55	538.6	559	19,612.9	247	12,813.2
142	Central Shenandoah	615	22,292.4	185	2,125.5	430	20,166.9	319	17,508.9
143	Lord Fairfax	523	22,325.1	59	688.5	464	21,636.6	369	19,401.6
144	Northern Virginia	5,190	283,044.5	0	0.0	5,190	283,044.5	4,035	258,249.9
145	Rappahannock-Rapidan	197	18,433.1	7	104.1	190	18,329.0	183	18,189.0
146	Thomas Jefferson	506	23,219.0	61	719.2	445	22,499.9	240	16,818.6
147	Central Virginia	405	14,254.6	169	2,177.2	236	12,077.4	153	9,023.4
148	West Piedmont	663	17,014.6	435	4,789.9	228	12,224.7	216	11,949.7
149	Southside	131	3,997.3	72	960.2	59	3,037.1	44	2,037.1
150	Piedmont	34	1,054.7	19	189.2	15	865.5	15	865.5
151	Richmond Regional	2,045	89,844.5	123	1,675.9	1,922	88,168.5	1,699	83,386.9
152	RADCO	828	50,785.8	206	2,694.5	622	48,091.4	572	47,201.9
153	Northern Neck	143	8,185.1	26	201.2	117	7,983.9	115	7,823.9
154	Middle Peninsula	388	15,928.5	152	2,340.9	236	13,587.7	166	10,754.7
155	Crater	373	10,679.9	89	1,018.5	284	9,661.5	195	8,744.1
156	Southeastern Virginia	2,357	116,900.9	101	975.1	2,256	115,925.8	1,256	86,266.8
157	Peninsula	1,455	70,686.3	76	1,221.8	1,379	69,464.3	894	58,068.4
158	Accomack-Northampton	97	3,254.7	45	659.8	52	2,594.9	52	2,594.9
159	Virginia	17,971	823,172.2	2,774	32,841.7	15,197	790,330.9	11,220	691,148.7

RA	Reports annually.
NA	Data not available.
1	Reported eight months.
2	Blacksburg Town did not report. The balance of Montgomery County reported nine months.
3	Occoquan Town reported six months. The balance of Prince William County reported nine months.
4	Dublin Town did not report. The balance of Pulaski County reported nine months.
5	Reported four months.
6	Reported six months.
7	Reported five months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
16	360.7	3	92.4	5	120.0	15	0	15	542	139
0	0.0	0	0.0	35	644.0	6	0	6	260	140
16	374.1	0	0.0	296	6,425.6	33	0	33	581	141
18	500.0	15	408.0	78	1,750.0	10	0	10	605	142
4	130.0	0	0.0	91	2,105.0	9	0	9	514	143
4	133.9	12	436.6	1,139	24,224.2	54	0	54	5,136	144
0	0.0	0	0.0	7	140.0	1	0	1	196	145
12	398.7	15	529.6	178	4,752.9	8	0	8	498	146
8	400.0	0	0.0	75	2,654.0	13	0	13	392	147
2	65.0	4	60.0	6	150.0	11	0	11	652	148
0	0.0	0	0.0	15	1,000.0	0	0	0	131	149
0	0.0	0	0.0	0	0.0	0	0	0	34	150
4	120.0	0	0.0	219	4,661.5	58	0	58	1,987	151
2	64.5	8	200.0	40	625.0	0	0	0	828	152
2	160.0	0	0.0	0	0.0	0	0	0	143	153
2	53.0	0	0.0	68	2,780.0	0	0	0	388	154
60	517.4	0	0.0	29	400.0	10	0	10	363	155
62	1,898.0	52	992.7	902	27,350.4	170	0	170	2,187	156
4	234.0	33	1,316.8	448	9,845.0	19	0	19	1,436	157
0	0.0	0	0.0	0	0.0	0	0	0	97	158
216	5,409.3	146	4,727.3	3,631	89,627.6	418	0	418	17,553	159

Table 2.
Housing Units Authorized in Virginia Localities, 4th Quarter 1986

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack (1)	119	3,309.6	58	632.8	61	2,676.7	61	2,676.7
2	Albemarle	134	11,282.2	7	119.7	127	11,162.6	123	10,960.9
3	Alleghany	23	254.7	19	110.5	4	144.2	4	144.2
4	Amelia	RA	—	—	—	—	—	—	—
5	Amherst (2)	40	1,646.9	14	100.5	26	1,546.4	22	1,366.4
6	Appomattox	25	713.4	18	192.6	7	520.8	7	520.8
7	Arlington	60	4,049.8	0	0.0	60	4,049.8	60	4,049.8
8	Augusta (3)	165	6,497.3	72	830.0	93	5,667.3	93	5,667.3
9	Bath	19	765.2	11	204.2	8	561.0	8	561.0
10	Bedford	216	6,507.6	114	NA	102	6,507.6	102	6,507.6
11	Bland	16	722.5	13	244.4	3	478.1	3	478.1
12	Botetourt	40	2,387.5	0	0.0	40	2,387.5	40	2,387.5
13	Brunswick	RA	—	—	—	—	—	—	—
14	Buchanan	41	553.3	32	368.8	9	184.5	9	184.5
15	Buckingham	RA	—	—	—	—	—	—	—
16	Campbell	168	4,170.3	96	1,315.8	72	2,854.5	34	1,821.5
17	Caroline	62	2,644.7	18	283.5	44	2,361.1	44	2,361.1
18	Carroll	69	1,581.4	49	670.4	20	911.0	20	911.0
19	Charles City	21	643.4	14	265.8	7	377.6	7	377.6
20	Charlotte	33	377.5	24	121.1	9	256.4	9	256.4
21	Chesterfield	876	42,006.2	57	455.2	819	41,551.0	819	41,551.0
22	Clarke	19	1,453.0	0	0.0	19	1,453.0	19	1,453.0
23	Craig	RA	—	—	—	—	—	—	—
24	Culpeper	357	18,311.3	17	210.9	340	18,100.4	266	16,218.6
25	Cumberland	RA	—	—	—	—	—	—	—
26	Dickenson	RA	—	—	—	—	—	—	—
27	Dinwiddie	60	1,479.6	32	442.6	28	1,037.0	28	1,037.0
28	Essex	RA	—	—	—	—	—	—	—
29	Fairfax	2,876	169,185.4	0	0.0	2,876	169,185.4	1,775	128,825.4
30	Fauquier	367	28,215.3	20	484.3	347	27,731.0	339	27,501.0
31	Floyd	14	744.2	0	0.0	14	744.2	14	744.2
32	Fluvanna	RA	—	—	—	—	—	—	—
33	Franklin	122	5,805.7	20	230.6	102	5,575.1	98	5,475.1
34	Frederick	153	8,254.1	7	145.5	146	8,108.6	146	8,108.6
35	Giles	22	116.0	19	NA	3	116.0	3	116.0
36	Gloucester	179	8,284.9	74	1,123.2	105	7,161.7	100	6,976.7
37	Goochland	30	1,714.6	10	138.3	20	1,576.3	18	1,530.1
38	Grayson	44	891.9	24	220.9	20	671.1	20	671.1
39	Greene	RA	—	—	—	—	—	—	—
40	Greensville	RA	—	—	—	—	—	—	—
41	Halifax	8	530.3	0	0.0	8	530.3	8	530.3
42	Hanover	332	12,661.5	32	442.6	300	12,218.9	300	12,218.9
43	Henrico	982	35,860.0	5	86.6	977	35,773.4	625	29,637.7
44	Henry	209	5,161.1	94	1,083.6	115	4,077.5	48	2,624.5
45	Highland	RA	—	—	—	—	—	—	—
46	Isle of Wight	135	3,462.9	73	NA	62	3,462.9	62	3,462.9
47	James City	361	19,262.3	10	138.3	351	19,124.0	185	17,381.7
48	King and Queen	RA	—	—	—	—	—	—	—

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	2	0	2	117	1
0	0.0	4	201.6	0	0.0	0	0	0	134	2
0	0.0	0	0.0	0	0.0	1	0	1	22	3
—	—	—	—	—	—	—	—	—	—	4
4	180.0	0	0.0	0	0.0	0	0	0	40	5
0	0.0	0	0.0	0	0.0	0	0	0	25	6
0	0.0	0	0.0	0	0.0	7	0	7	53	7
0	0.0	0	0.0	0	0.0	0	0	0	165	8
0	0.0	0	0.0	0	0.0	0	0	0	19	9
0	0.0	0	0.0	0	0.0	0	0	0	216	10
0	0.0	0	0.0	0	0.0	0	0	0	16	11
0	0.0	0	0.0	0	0.0	0	0	0	40	12
—	—	—	—	—	—	—	—	—	—	13
0	0.0	0	0.0	0	0.0	0	0	0	41	14
—	—	—	—	—	—	—	—	—	—	15
4	120.0	16	413.0	18	500.0	2	0	2	166	16
0	0.0	0	0.0	0	0.0	2	0	2	60	17
0	0.0	0	0.0	0	0.0	0	0	0	69	18
0	0.0	0	0.0	0	0.0	0	0	0	21	19
0	0.0	0	0.0	0	0.0	0	0	0	33	20
0	0.0	0	0.0	0	0.0	0	0	0	876	21
0	0.0	0	0.0	0	0.0	0	0	0	19	22
—	—	—	—	—	—	—	—	—	—	23
30	1,041.8	0	0.0	44	840.0	4	0	4	353	24
—	—	—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	—	—	26
0	0.0	0	0.0	0	0.0	0	0	0	60	27
—	—	—	—	—	—	—	—	—	—	28
0	0.0	0	0.0	1,101	40,360.0	0	0	0	2,876	29
0	10.0	8	220.0	0	0.0	2	0	2	365	30
0	0.0	0	0.0	0	0.0	0	0	0	14	31
—	—	—	—	—	—	—	—	—	—	32
0	0.0	4	100.0	0	0.0	0	0	0	122	33
0	0.0	0	0.0	0	0.0	0	0	0	153	34
0	0.0	0	0.0	0	0.0	2	0	2	20	35
2	50.0	3	135.0	0	0.0	0	0	0	179	36
2	46.2	0	0.0	0	0.0	0	0	0	30	37
0	0.0	0	0.0	0	0.0	0	0	0	44	38
—	—	—	—	—	—	—	—	—	—	39
—	—	—	—	—	—	—	—	—	—	40
0	0.0	0	0.0	0	0.0	0	0	0	8	41
0	0.0	0	0.0	0	0.0	0	0	0	332	42
0	0.0	0	0.0	352	6,135.7	17	0	17	965	43
0	0.0	3	70.0	64	1,383.0	0	0	0	209	44
—	—	—	—	—	—	—	—	—	—	45
0	0.0	0	0.0	0	0.0	0	0	0	135	46
0	0.0	166	1,742.3	0	0.0	3	0	3	358	47
—	—	—	—	—	—	—	—	—	—	48

Table 2. CONTINUED

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
49	King George	55	1,908.5	0	0.0	55	1,908.5	34	1,498.0
50	King William	36	1,512.3	2	5.3	34	1,507.0	28	1,357.0
51	Lancaster	48	2,923.1	13	187.3	35	2,735.8	35	2,735.8
52	Lee	48	730.9	38	256.8	10	474.1	10	474.1
53	Loudoun	295	16,299.6	0	0.0	295	16,299.6	259	15,358.7
54	Louisa	98	3,571.5	37	426.5	61	3,144.9	59	3,112.2
55	Lunenburg	RA	—	—	—	—	—	—	—
56	Madison	16	838.5	0	0.0	16	838.5	14	778.5
57	Mathews	RA	—	—	—	—	—	—	—
58	Mecklenburg	111	3,182.1	58	872.1	53	2,310.0	46	2,230.0
59	Middlesex	RA	—	—	—	—	—	—	—
60	Montgomery (4)	295	7,924.2	106	1,222.0	189	6,702.3	119	4,669.3
61	Nelson	36	2,055.8	14	112.0	22	1,943.8	22	1,943.8
62	New Kent	44	2,323.9	4	55.3	40	2,268.6	40	2,268.6
63	Northampton	RA	—	—	—	—	—	—	—
64	Northumberland	92	3,059.4	0	0.0	92	3,059.4	86	2,759.4
65	Nottoway	RA	—	—	—	—	—	—	—
66	Orange	RA	—	—	—	—	—	—	—
67	Page	52	1,841.8	19	146.4	33	1,695.4	33	1,695.4
68	Patrick	RA	—	—	—	—	—	—	—
69	Pittsylvania	205	4,824.6	121	1,243.4	84	3,581.2	74	3,391.2
70	Powhatan	40	1,995.5	1	3.5	39	1,992.0	35	1,908.0
71	Prince Edward	RA	—	—	—	—	—	—	—
72	Prince George (2)	61	3,624.2	0	0.0	61	3,624.2	61	3,624.2
73	Prince William	790	44,062.2	1	13.8	789	44,048.4	773	43,482.1
74	Pulaski	60	1,240.1	11	106.3	49	1,133.8	19	739.8
75	Rappahannock	RA	—	—	—	—	—	—	—
76	Richmond	0	0.0	0	0.0	0	0.0	0	0.0
77	Roanoke	131	6,640.5	9	124.5	122	6,516.0	120	6,462.8
78	Rockbridge	123	2,661.4	100	1,152.8	23	1,508.6	19	958.6
79	Rockingham	205	13,217.7	32	368.9	173	12,848.8	73	4,770.8
80	Russell	92	1,044.6	84	762.1	8	282.5	8	282.5
81	Scott	50	928.7	40	553.2	10	375.5	10	375.5
82	Shenandoah	132	5,272.4	11	150.2	121	5,122.2	87	4,155.2
83	Smyth	55	1,058.6	41	472.6	14	586.0	14	586.0
84	Southampton	37	1,031.6	25	353.2	12	678.4	12	678.4
85	Spotsylvania	342	21,810.3	66	760.8	276	21,049.5	276	21,049.5
86	Stafford	263	17,720.9	32	609.0	231	17,111.8	231	17,111.8
87	Surry	27	147.3	16	147.3	11	NA	11	NA
88	Sussex	9	145.0	9	145.0	0	0.0	0	0.0
89	Tazewell	64	968.3	54	532.1	10	436.3	10	436.3
90	Warren	55	1,933.4	3	8.4	52	1,925.1	40	1,775.1
91	Washington	180	4,553.7	77	1,064.9	103	3,488.8	63	2,524.4
92	Westmoreland	67	1,755.9	0	0.0	67	1,755.9	65	1,715.9
93	Wise	139	2,677.2	102	1,206.0	37	1,471.2	37	1,471.2
94	Wythe	69	1,535.0	40	397.6	29	1,137.4	16	788.4
95	York	460	19,388.0	7	2.9	453	19,385.1	187	14,088.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	21	410.5	0	0.0	0	0	0	55	49
0	0.0	0	0.0	6	150.0	0	0	0	36	50
0	0.0	0	0.0	0	0.0	0	0	0	48	51
0	0.0	0	0.0	0	0.0	0	0	0	48	52
0	0.0	0	0.0	36	940.9	0	0	0	295	53
2	32.7	0	0.0	0	0.0	0	0	0	98	54
—	—	—	—	—	—	—	—	—	—	55
2	60.0	0	0.0	0	0.0	0	0	0	16	56
—	—	—	—	—	—	—	—	—	—	57
0	0.0	0	0.0	7	80.0	0	0	0	111	58
—	—	—	—	—	—	—	—	—	—	59
30	613.0	16	568.0	24	852.0	5	0	5	290	60
0	0.0	0	0.0	0	0.0	0	0	0	36	61
0	0.0	0	0.0	0	0.0	0	0	0	44	62
—	—	—	—	—	—	—	—	—	—	63
0	0.0	6	300.0	0	0.0	3	0	3	89	64
—	—	—	—	—	—	—	—	—	—	65
—	—	—	—	—	—	—	—	—	—	66
0	0.0	0	0.0	0	0.0	0	0	0	52	67
—	—	—	—	—	—	—	—	—	—	68
2	30.0	0	0.0	8	160.0	0	0	0	205	69
4	84.0	0	0.0	0	0.0	0	0	0	40	70
—	—	—	—	—	—	—	—	—	—	71
0	0.0	0	0.0	0	0.0	1	0	1	60	72
0	0.0	0	0.0	16	566.2	0	0	0	790	73
0	0.0	4	40.0	26	354.0	1	0	1	59	74
—	—	—	—	—	—	—	—	—	—	75
0	0.0	0	0.0	0	0.0	0	0	0	0	76
2	53.2	0	0.0	0	0.0	7	0	7	124	77
0	0.0	4	550.0	0	0.0	0	0	0	123	78
4	89.0	0	0.0	96	7,989.0	0	0	0	205	79
0	0.0	0	0.0	0	0.0	0	0	0	92	80
0	0.0	0	0.0	0	0.0	0	0	0	50	81
0	0.0	4	90.0	30	877.0	5	0	5	127	82
0	0.0	0	0.0	0	0.0	0	0	0	55	83
0	0.0	0	0.0	0	0.0	0	0	0	37	84
0	0.0	0	0.0	0	0.0	0	0	0	342	85
0	0.0	0	0.0	0	0.0	1	0	1	262	86
0	0.0	0	0.0	0	0.0	0	0	0	27	87
0	0.0	0	0.0	0	0.0	10	0	10	-1	88
0	0.0	0	0.0	0	0.0	0	0	0	64	89
0	0.0	0	0.0	12	150.0	9	0	9	46	90
0	0.0	8	160.0	32	804.4	6	0	6	174	91
2	40.0	0	0.0	0	0.0	0	0	0	67	92
0	0.0	0	0.0	0	0.0	0	0	0	139	93
4	69.0	0	0.0	8	280.0	0	0	0	69	94
0	0.0	12	870.0	254	4,427.1	4	0	4	456	95

Table 2. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria	104	8,316.5	0	0.0	104	8,316.5	98	8,094.9
97	Bedford	14	441.0	0	0.0	14	441.0	14	441.0
98	Bristol	8	313.6	0	0.0	8	313.6	6	273.6
99	Buena Vista	RA	—	—	—	—	—	—	—
100	Charlottesville	8	320.0	0	0.0	8	320.0	4	205.0
101	Chesapeake	456	29,609.4	33	653.6	423	28,955.9	371	27,083.5
102	Clifton Forge	1	30.0	0	0.0	1	30.0	1	30.0
103	Colonial Heights	46	1,266.9	0	0.0	46	1,266.9	16	867.3
104	Covington	0	0.0	0	0.0	0	0.0	0	0.0
105	Danville	7	295.0	3	33.5	4	261.5	4	261.5
106	Emporia	RA	—	—	—	—	—	—	—
107	Fairfax	11	970.0	0	0.0	11	970.0	11	970.0
108	Falls Church	6	913.0	0	0.0	6	913.0	6	913.0
109	Franklin	RA	—	—	—	—	—	—	—
110	Fredericksburg	2	84.4	0	0.0	2	84.4	2	84.4
111	Galax	25	781.3	6	153.3	19	628.0	0	0.0
112	Hampton	275	11,161.1	9	124.5	266	11,036.6	238	10,040.1
113	Harrisonburg	97	3,659.1	4	46.1	93	3,613.0	29	1,810.0
114	Hopewell	94	1,419.5	0	0.0	94	1,419.5	14	676.4
115	Lexington (5)	0	0.0	0	0.0	0	0.0	0	0.0
116	Lynchburg	44	2,454.7	6	54.7	38	2,400.0	18	1,807.0
117	Manassas	1,129	32,231.6	0	0.0	1,129	32,231.6	371	19,465.4
118	Manassas Park	0	0.0	0	0.0	0	0.0	0	0.0
119	Martinsville	RA	—	—	—	—	—	—	—
120	Newport News	483	17,415.8	35	650.0	448	16,765.8	322	14,555.8
121	Norfolk	365	8,985.9	0	0.0	365	8,985.9	53	2,974.4
122	Norton	RA	—	—	—	—	—	—	—
123	Petersburg	15	298.9	8	120.9	7	178.0	7	178.0
124	Poquoson	18	1,572.0	0	0.0	18	1,572.0	18	1,572.0
125	Portsmouth	147	6,560.7	0	0.0	147	6,560.7	69	4,390.7
126	Radford	38	1,426.0	1	9.5	37	1,416.5	9	446.5
127	Richmond	275	12,297.6	0	0.0	275	12,297.6	154	7,997.6
128	Roanoke	30	1,224.7	0	0.0	30	1,224.7	24	1,105.5
129	Salem	34	1,817.4	0	0.0	34	1,817.4	19	1,185.2
130	South Boston	0	0.0	0	0.0	0	0.0	0	0.0
131	Staunton	RA	—	—	—	—	—	—	—
132	Suffolk (2)	149	7,558.5	14	312.1	135	7,246.4	71	5,353.4
133	Virginia Beach	1,260	64,713.3	0	0.0	1,260	64,713.3	1,105	60,128.3
134	Waynesboro	RA	—	—	—	—	—	—	—
135	Williamsburg	22	1,887.1	0	0.0	22	1,887.1	10	1,107.1
136	Winchester (2)	24	1,754.0	0	0.0	24	1,754.0	12	1,494.0
	PLANNING DISTRICTS								
137	LENOWISCO	237	4,336.8	180	2,016.0	57	2,320.8	57	2,320.8
138	Cumberland Plateau	197	2,566.2	170	1,663.0	27	903.3	27	903.3

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
2	50.0	4	171.6	0	0.0	9	0	9	95	96
0	0.0	0	0.0	0	0.0	3	0	3	11	97
2	40.0	0	0.0	0	0.0	1	0	1	7	98
—	—	—	—	—	—	—	—	—	—	99
4	115.0	0	0.0	0	0.0	0	0	0	8	100
16	594.0	0	0.0	36	1,278.3	12	0	12	444	101
0	0.0	0	0.0	0	0.0	0	0	0	1	102
0	0.0	0	0.0	30	399.5	1	0	1	45	103
0	0.0	0	0.0	0	0.0	2	0	2	-2	104
0	0.0	0	0.0	0	0.0	3	0	3	4	105
—	—	—	—	—	—	—	—	—	—	106
0	0.0	0	0.0	0	0.0	1	0	1	10	107
0	0.0	0	0.0	0	0.0	0	0	0	6	108
—	—	—	—	—	—	—	—	—	—	109
0	0.0	0	0.0	0	0.0	0	0	0	2	110
10	250.0	0	0.0	9	378.0	2	0	2	23	111
0	0.0	0	0.0	28	996.5	4	0	4	271	112
0	0.0	16	378.0	48	1,425.0	1	0	1	96	113
20	315.0	0	0.0	60	428.1	5	0	5	89	114
0	0.0	0	0.0	0	0.0	0	0	0	0	115
20	593.0	0	0.0	0	0.0	11	0	11	33	116
0	0.0	0	0.0	758	12,766.2	1	0	1	1,128	117
0	0.0	0	0.0	0	0.0	0	0	0	0	118
—	—	—	—	—	—	—	—	—	—	119
6	386.0	0	0.0	120	1,824.0	6	0	6	477	120
48	786.8	40	665.0	224	4,559.7	203	0	203	162	121
—	—	—	—	—	—	—	—	—	—	122
0	0.0	0	0.0	0	0.0	17	0	17	-2	123
0	0.0	0	0.0	0	0.0	0	0	0	18	124
0	0.0	0	0.0	78	2,170.0	16	0	16	131	125
0	0.0	0	0.0	28	970.0	0	0	0	38	126
0	0.0	0	0.0	121	4,300.0	42	0	42	233	127
6	119.3	0	0.0	0	0.0	12	0	12	18	128
0	0.0	0	0.0	15	632.2	3	0	3	31	129
0	0.0	0	0.0	0	0.0	0	0	0	0	130
—	—	—	—	—	—	—	—	—	—	131
50	1,539.0	4	86.0	10	268.0	14	0	14	135	132
16	1,235.0	0	0.0	139	3,350.0	32	0	32	1,228	133
—	—	—	—	—	—	—	—	—	—	134
0	0.0	12	780.0	0	0.0	6	0	6	16	135
0	0.0	0	0.0	12	260.0	4	0	4	20	136
0	0.0	0	0.0	0	0.0	0	0	0	237	137
0	0.0	0	0.0	0	0.0	0	0	0	197	138

Table 2. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	466	11,438.0	250	3,224.1	216	8,214.0	142	6,232.6
140	New River Valley	429	11,450.5	137	1,337.8	292	10,112.8	164	6,715.8
141	Fifth	259	12,354.8	28	235.0	231	12,119.8	208	11,315.2
142	Central Shenandoah	609	26,800.7	219	2,602.0	390	24,198.7	222	13,767.7
143	Lord Fairfax	435	20,508.7	40	450.5	395	20,058.3	337	18,681.3
144	Northern Virginia	5,271	276,028.1	1	13.8	5,270	276,014.3	3,353	221,159.3
145	Rappahannock-Rapidan	740	47,365.1	37	695.2	703	46,669.9	619	44,498.1
146	Thomas Jefferson	276	17,229.5	58	658.2	218	16,571.3	208	16,221.9
147	Central Virginia	507	15,933.9	248	1,663.6	259	14,270.3	197	12,464.3
148	West Piedmont	543	16,086.4	238	2,591.1	305	13,495.3	224	11,752.3
149	Southside	119	3,712.4	58	872.1	61	2,840.3	54	2,760.3
150	Piedmont	33	377.5	24	121.1	9	256.4	9	256.4
151	Richmond Regional	2,600	109,502.7	123	1,447.3	2,477	108,055.4	1,998	97,489.5
152	RADCO	724	44,168.8	116	1,653.3	608	42,515.3	587	42,104.8
153	Northern Neck	207	7,738.4	13	187.3	194	7,551.1	186	7,211.1
154	Middle Peninsula	215	9,797.2	76	1,128.5	139	8,668.7	128	8,333.7
155	Crater	312	8,381.4	65	855.8	247	7,525.6	137	6,382.9
156	Southeastern Virginia	2,549	121,922.3	145	1,318.9	2,404	120,603.5	1,743	104,071.6
157	Peninsula	1,619	70,686.3	61	915.7	1,558	69,770.6	960	58,744.7
158	Accomack-Northampton	119	3,309.6	58	632.8	61	2,676.7	61	2,676.7
159	Virginia	18,466	841,695.3	2,345	26,283.1	16,121	815,412.5	11,621	696,064.2

RA	Reports annually.
NA	Not available.
1	Onancock Town did not report. The balance of Accomack County reported 12 months.
2	Reported 11 months.
3	Craigsville Town did not report. The balance of Augusta County reported 12 months.
4	Blacksburg Town did not report. The balance of Montgomery County reported 12 months.
5	Reported six months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
16	359.0	9	160.0	49	1,462.4	9	0	9	457	139
30	613.0	20	608.0	78	2,176.0	8	0	8	421	140
8	172.5	0	0.0	15	632.2	25	0	25	234	141
4	89.0	20	928.0	144	9,414.0	1	0	1	608	142
0	0.0	4	90.0	54	1,287.0	18	0	18	417	143
2	50.0	4	171.6	1,911	54,633.3	18	0	18	5,253	144
32	1,111.8	8	220.0	44	840.0	6	0	6	734	145
6	147.7	4	201.6	0	0.0	0	0	0	276	146
28	893.0	16	413.0	18	500.0	16	0	16	491	147
2	30.0	7	170.0	72	1,543.0	3	0	3	540	148
0	0.0	0	0.0	7	80.0	0	0	0	119	149
0	0.0	0	0.0	0	0.0	0	0	0	33	150
6	130.2	0	0.0	473	10,435.7	59	0	59	2,541	151
0	0.0	21	410.5	0	0.0	3	0	3	721	152
2	40.0	6	300.0	0	0.0	3	0	3	204	153
2	50.0	3	135.0	6	150.0	0	0	0	215	154
20	315.0	0	0.0	90	827.6	34	0	34	278	155
130	4,154.8	44	751.0	487	11,626.0	277	0	277	2,272	156
6	386.0	190	3,392.3	402	7,247.6	23	0	23	1,596	157
0	0.0	0	0.0	0	0.0	2	0	2	117	158
294	8,542.0	356	7,951.0	3,850	102,854.8	505	0	505	17,961	159

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Housing Units Authorized in Virginia's Counties and Cities:

ANNUAL 1986

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HOUSING UNITS AUTHORIZED IN VIRGINIA'S COUNTIES and CITIES:

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INTRODUCTION

Building activity is one of the most frequently used indicators of economic and demographic change. At present, the number of housing units authorized by local building permits is the best measure of housing starts available. The information contained in this report is supplied by local building officials to the Construction Division of the U.S. Bureau of the Census. The Bureau, in turn, forwards the data to the Center for Public Service where they are tabulated and compiled.

In this release the number of residential building permits issued for housing units in Virginia counties, cities, and planning districts for 1986 is presented in Table 1. Table 2 presents data on permits issued for nonresidential construction during the year. Readers should carefully note that, unlike the data in Table 1, permits tabulated in Table 2 are for buildings, rather than for units. Tabular categories used in Table 2 include the following:

Amusement and Recreational buildings -

Includes theaters, radio and television studios, auditoriums, arenas, bowling alleys, skating rinks, indoor swimming pools, and gymnasiums.

Church, Hospital, and School buildings -

Includes churches, synagogues, rectories, Sunday school rooms, monasteries; general, TB, and mental hospitals and sanatoriums, health centers, clinics, rest homes, orphanages, homes for the aged, and nursing homes; penitentiaries, jails, reformatories; schools, colleges, seminaries, libraries, museums, observatories, and dormitories.

Industrial buildings -

Includes plants producing, processing, and assembling goods and materials, plus affiliated buildings such as warehouses and administration buildings.

Parking Garages -

Includes garage buildings and open-deck parking structures. This category does not include parking lots or residential garages and carports.

Service Stations and Repair Garages -

Includes automobile repair shops.

Office, Bank, and Professional buildings -

Includes buildings designed for doctors' offices and related services, chambers of commerce, public administration buildings such as post offices, city halls, court houses, and Federal offices.

Public Work and Utilities buildings -

Includes plants providing public services, such as transportation, communication, power, light, heat, water supply, sewage and garbage disposal, and trash incineration.

Stores and Mercantile buildings -

Includes buildings used in buying, selling, distributing, and storing merchandise and materials, or performing consumer services.

Other Nonresidential buildings -

Includes boathouses, burial crypts, farm buildings such as barns and silos, pumphouses, as well as government owned buildings such as armories, military barracks, police and fire stations, and convention centers.

This report analyzes and integrates current housing authorization reports, including data presented in previous editions covering the period from 1970 to the present. It is hoped that the analysis presented here will be useful to the reader both to give some idea of the trends in building activity since 1970, and also to acquaint the user with the nature of the data and of its possible interpretations.

The reader should bear in mind that the cost figures reported here are estimated construction costs submitted by the builders. They are not reported cost-at-completion of the units, nor do they include land cost or profit margin for the builder. In addition, the Census Bureau estimates that, nationwide, underestimation of costs runs from about 17.5 percent for single units, to about 30 percent for 2 and 3-4 unit structures, to more than 50 percent for 5+ unit structures. Average cost per unit data, therefore, cannot be taken as an estimate of the price of housing to the consumer. Despite these limitations, construction costs constitute a large proportion of the total market cost of housing, and thus the reported figures provide an important means of comparison among localities and for one area--such as the state--over time.

The reporting of the number of units authorized for construction is more reliable than the data for costs. The Census Bureau considers their estimates of housing authorizations in Virginia to be accurate to within plus or minus one percent.

MAJOR FINDINGS

- ☛ The population of Virginia increased 8.2 percent between April 1, 1980 and July 1, 1986, from 5,346,818 to 5,787,000.
- ☛ Between April 1, 1980 and December 31, 1986, permits for 400,501 housing units (including mobile homes) were issued. This represents an increase of 19.8 percent over the 2,020,941 units counted in the 1980 decennial census. See Figures 1 and 3.
- ☛ Since 1970 the cost of constructing a single family dwelling has increased by 256 percent, from $16,050 to $57,113. Since the first quarter of 1980 construction costs have increased by 54.8 percent. See Figures 2 and 4.

- As shown in Chart A the value of housing constructed in the Commonwealth during 1986 was about $3.8 billion, an increase of 24.9 percent compared to 1985. In constant dollars the increase was 22.3 percent.

- As shown in Chart B the value of nonresidential construction in the Commonwealth during 1986 was about $1.86 billion, an increase of 30.1 percent compared to 1985. In constant dollars the increase was 28 percent.

Chart A.
Aggregate Residential Construction Costs, Virginia: 1970–1986

Year	Value of Construction in Current Dollars (in Millions $)	Census Bureau Construction Cost Index	Deflated Value of Construction in Constant 1982 Dollars
1970	544.7	35.7	1,525.8
1971	1,023.0	37.7	2,713.5
1972	1,237.2	40.1	3,085.3
1973	1,332.9	43.9	3,036.2
1974	879.7	48.4	1,817.6
1975	838.9	52.8	1,588.8
1976	1,003.8	56.6	1,773.5
1977	1,564.5	63.2	2,475.5
1978	1,703.2	72.3	2,355.7
1979	1,617.3	81.7	1,979.6
1980	1,357.3	90.6	1,498.1
1981	1,134.8	97.7	1,161.5
1982	1,260.3	100.0	1,260.3
1983	2,257.8	102.7	2,198.4
1984	2,601.8	106.3	2,447.6
1985	3,018.9	109.4	2,759.5
1986	3,770.9	111.7	3,375.9

Census Bureau Construction Cost Index from *Construction Review*, table E–1, volume 32, number 2, March/April 1987.
Deflated value = current value x (100 / index value).

Chart B.
Aggregate Nonresidential Construction Costs, Virginia: 1980–1986

Year	Value of Construction in Current Dollars (in Millions $)	Boeckh Index for Commercial Buildings	Deflated Value of Construction in Constant 1982 Dollars
1980	664.9	84.1	790.6
1981	781.6	92.2	847.7
1982	790.4	100.0	790.4
1983	1,013.6	105.3	962.6
1984	1,242.8	109.4	1,136.0
1985	1,425.5	111.3	1,280.8
1986	1,855.1	113.2	1,638.8

Boeckh Index from *Construction Review*, table E–1, volume 32, number 2, March/April 1987.
Deflated value = current value x (100 / index value).

Figure 1. Number of Permits Issued, Annual Series, 1970–1986

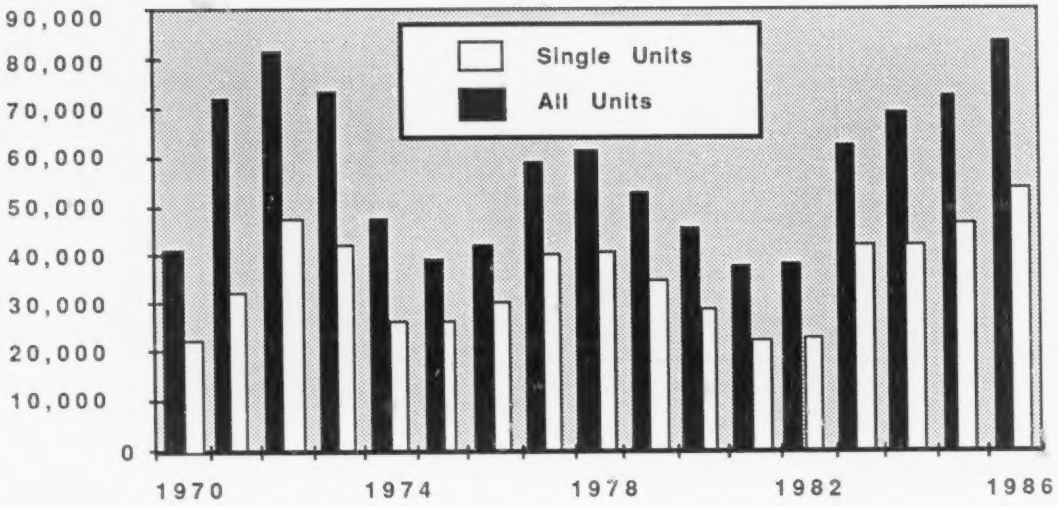


Figure 2. Average Value of Permits Per Unit, Annual Series, 1970–1986

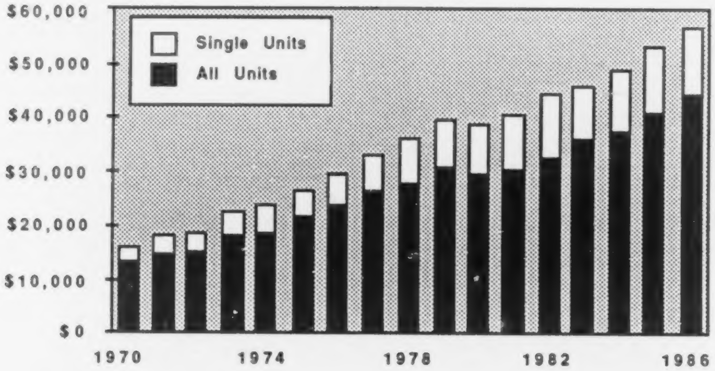


Figure 3. Number of Permits Issued, Quarterly Series, 1976:1 – 1986:4

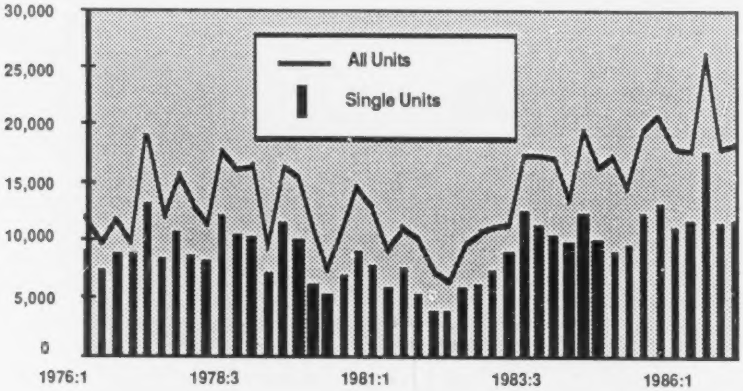
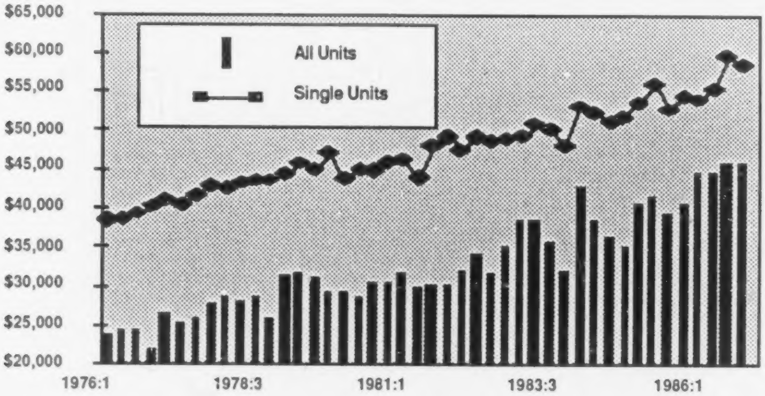


Figure 4. Average Value of Permits Per Unit, Quarterly Series, 1976:1 – 1986:4



STATEWIDE RESIDENTIAL TRENDS

During 1986 84,044 permits were issued in Virginia, 14.7 percent more than during 1985, and about 50 percent above the 1981-1985 average of 56,177 permits per year. In fact, this level of building activity represents the highest single year total recorded since 1970, when the Center first began to tabulate building permits. The previous yearly high was 81,666 permits, recorded in 1972 at the height of the 1971–1973 housing boom. Average cost data for 1986 indicate a relatively large increase over 1985, 8.9 percent, from $41,217 to $44,868. This is only slightly less than the 9.3 percent increase recorded between 1984 and 1985.

The number of permits issued for single family units, which make up the majority of all permits, increased 17.6 percent between 1985 and 1986, from 46,011 to 54,100 units. The number of single family unit permits issued during 1986 was well above the 1981-1985 average of 46,662 units per year. Average cost data for 1986 show a substantial increase over the 1985 average, increasing 7.3 percent, from $53,244 to $57,113 per unit.

Data on the distribution of permits by type of structure show an interesting change from prior years (see Figure 5). From 1976 through 1982 permits for single family units made up a decreasing proportion of the total number of permits issued, declining from 73.3 percent of all permits in 1976 to 59.8 percent in 1982. At the same time permits for mobile homes were an increasing proportion of all permits issued, rising from 12.8 percent in 1976 to 22.4 percent in 1982. In 1983, the first year of the current housing expansion, the proportion of single family permits issued jumped to 68.1 percent (from 59.8 percent in the preceding year), while the proportion of mobile home permits declined from 22.4 percent to 15.5 percent. This pattern of opposite movements of single family and mobile home permits suggests that the two housing types are substitutes for one another, and that when purchases of new single family homes increase, sales of mobile homes decline. When new single family homes become expensive (through either high unit costs or high mortgage lending rates), mobile home sales increase.

In 1984 this historic pattern ended as the proportion of both single family and mobile homes declined from their 1983 levels. On the other hand, the number of permits issued for structures containing five or more units per structure increased dramatically, from 12.3 percent of all permits issued in 1983 to 20.1 percent in 1984. The increase in the proportion of units of this structural type reversed a six year trend that saw an overall decline in the importance of large apartment complexes.

In 1986 the proportion of single family unit permits was slightly higher than in 1985 (64.4 versus 62.8 percent), while the proportion of large apartment complexes decreased slightly from its level of last year, to 20.1 percent from 20.9 percent. Mobile homes continued to decline as a proportion of all building permits, falling to 13 percent from 14.2 percent in 1985.

A significant proportion of all residential building permits issued in 1986 were concentrated in three areas of the state--Northern Virginia, Richmond, and the Tidewater. Nearly 21,800 permits, 25.9 percent of the state total, were issued in the Northern Virginia Planning District (PD). The Richmond Regional PD issued 10,313 permits, 12.3 percent of the state total. In the Tidewater area the Southeastern Virginia PD and the Peninsula PD issued 16,309 and 7,229 permits, respectively, or 19.4 percent and 8.6 percent of the state total. In the aggregate these four planning districts accounted for two-thirds of all permits issued during 1986, 70 percent of the total value of all permits, and nearly three-quarters of all single family unit permits and their value.

STATEWIDE NONRESIDENTIAL TRENDS

Residential permit activity is often taken as indicative of the attractiveness of a locality to individuals and families. The statistics presented in this report on nonresidential building activity may be interpreted in much the same way, with the difference that the "attraction" is towards the business community. There is, quite naturally, a significant degree of overlap between the location of residential and nonresidential building activity, with population converging around business locations, and businesses decentralizing to move closer to consumers and the labor force.

During 1986 10,698 permits for nonresidential buildings were issued, an increase of 6.5 percent over the 10,049 permits issued during 1985. The dollar volume of the 1986 permits was 1.86 billion, an increase of 30 percent over last year. If both the 1985 and 1986 figures are adjusted for inflation, the 1986 figure still represents a considerable increase over 1985, of roughly 28 percent (see Chart B).

In analyzing nonresidential construction it is important to distinguish between the number of permits issued in a particular building category and the dollar value for that same category. For example, a majority of building permits are issued in the "other" nonresidential building category, which includes such structures as barns, silos, pump houses, and certain types of government owned buildings. In 1986 nearly two-thirds (62.3 percent) of all permits issued were in this category, but the aggregate value of these permits equaled only 4.1 percent of the state total. By way of contrast, the category "office, bank, and professional buildings" accounted for less than ten percent of the total number of permits issued, but their aggregate value was nearly 46 percent of the state total.

Based on dollar volume, office, banks, and professional buildings rank first at $857 million, an increase of 43.8 percent over their 1985 value. This category is followed by stores and mercantile buildings at $420.6 million (up 16 percent over 1985) and industrial buildings at $274.2 million (up 42.6 percent from 1985). The category of church, hospital, and school buildings ranks fourth, with permits valued at $147.4 million, up 45.4 percent over their 1985 value. None of the other nonresidential building categories accounted for as much as five percent of total state value.

Nonresidential construction is highly concentrated in specific areas of the state. By value, nearly 46 percent of the state total is located in the Northern Virginia PD, and another 14.1 percent in the Southeastern Virginia PD. The Richmond Regional PD contributed 7.3 percent of the state total, and the Peninsula PD accounted for 9.5 percent. Combined, these four planning districts account for 76.7 percent of the total value of nonresidential construction in the state, and for nearly half of the total number of permits issued.

In summary, 1986 was an excellent year for the housing industry in Virginia. The total value (in constant dollars) of residential permits issued reached a new high, of $3.4 billion, and the value of nonresidential building permits exceeded one billion dollars for the fourth year in succession. The 84,044 residential permits issued during the year marks an historic high, exceeding the levels reached during the housing expansions of 1971–73 and 1977–78.

Finally, it was noted that both residential and nonresidential building activity is highly concentrated in three areas of the state. Northern Virginia, the Richmond area, and the Tidewater account for between two-thirds and three-fourths of all construction activity, measured in terms of either the number of permits issued or the value of those same permits.

Table 1.
Housing Units Authorized in Virginia Localities, 1986 Annual

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack (1)	481	13,790.4	201	2,410.0	280	11,380.4	226	10,445.4
2	Albemarle	748	52,816.3	37	552.7	711	52,263.6	494	42,281.0
3	Alleghany	141	2,243.7	87	683.5	54	1,560.2	54	1,560.2
4	Amelia	95	2,613.0	59	783.3	36	1,829.7	36	1,829.7
5	Amherst (2)	308	10,000.5	115	1,197.6	193	8,802.9	123	6,869.9
6	Appomattox	152	4,423.0	104	1,407.0	48	3,016.1	46	2,986.1
7	Arlington	1,341	88,592.5	0	0.0	1,341	88,592.5	267	16,989.2
8	Augusta (3)	701	26,502.1	323	3,544.7	378	22,957.4	378	22,957.4
9	Bath	75	4,139.7	24	379.2	51	3,760.5	39	2,460.5
10	Bedford (4)	530	15,244.7	248	NA	282	15,244.7	248	14,324.7
11	Bland	77	1,825.6	52	599.5	25	1,226.1	25	1,226.1
12	Botetourt (4)	99	5,787.0	0	0.0	99	5,787.0	99	5,787.0
13	Brunswick	184	3,846.9	138	1,590.9	46	2,256.1	46	2,256.1
14	Buchanan	257	4,041.8	202	2,323.2	55	1,718.6	55	1,718.6
15	Buckingham	191	4,379.6	122	1,360.1	69	3,019.5	69	3,019.5
16	Campbell	576	15,855.3	361	4,851.9	215	11,003.4	167	9,680.4
17	Caroline	221	11,047.4	78	923.0	143	10,124.4	143	10,124.4
18	Carroll	363	7,332.2	263	2,951.3	100	4,380.9	96	4,201.9
19	Charles City	63	2,144.2	33	526.0	30	1,618.3	30	1,618.3
20	Charlotte	137	3,061.9	81	667.9	56	2,394.0	50	2,319.0
21	Chesterfield	4,298	188,214.8	193	2,251.5	4,105	185,963.3	4,077	185,038.3
22	Clarke	117	7,044.8	2	19.8	115	7,025.0	87	6,125.0
23	Craig	76	1,451.3	31	269.0	45	1,182.3	45	1,182.3
24	Culpeper	438	21,294.4	18	229.4	420	21,065.0	315	18,773.2
25	Cumberland	74	1,697.1	48	583.7	26	1,113.4	26	1,113.4
26	Dickenson	55	1,422.1	33	680.0	22	742.1	22	742.1
27	Dinwiddie	227	6,887.4	106	1,423.7	121	5,463.7	121	5,463.7
28	Essex	95	3,088.3	35	403.1	60	2,685.3	44	2,425.3
29	Fairfax	11,170	657,331.8	0	0.0	11,170	657,331.8	9,137	587,597.0
30	Fauquier	966	74,747.3	44	902.8	922	73,844.5	914	73,614.5
31	Floyd	121	4,909.0	0	0.0	121	4,909.0	77	3,409.0
32	Fluvanna	250	13,267.8	15	14.5	235	13,253.3	235	13,253.3
33	Franklin	643	21,237.1	280	3,089.8	363	18,147.3	359	18,047.3
34	Frederick	592	28,619.1	36	623.8	556	27,995.3	516	27,345.3
35	Giles	148	3,160.1	108	1,174.6	40	1,985.5	40	1,985.5
36	Gloucester	909	39,954.2	339	5,326.0	570	34,628.2	422	28,483.2
37	Goochland	231	12,400.5	51	699.3	180	11,701.2	178	11,655.0
38	Grayson	215	4,914.4	103	901.3	112	4,013.1	112	4,013.1
39	Greene	148	5,663.1	51	635.5	97	5,027.5	97	5,027.5
40	Greensville	64	1,577.7	49	637.0	15	940.7	15	940.7
41	Halifax	139	4,343.6	70	982.4	69	3,361.1	69	3,361.1
42	Hanover	1,471	61,631.7	114	1,560.5	1,357	60,071.2	1,177	56,078.2
43	Henrico	3,199	115,056.9	12	194.6	3,187	114,862.3	2,260	100,920.5
44	Henry	762	17,942.2	502	5,567.4	260	12,374.8	173	10,501.8
45	Highland	19	535.5	7	111.6	12	423.9	12	423.9
46	Isle of Wight	501	14,069.0	208	NA	293	14,069.0	237	12,966.1
47	James City	1,347	87,203.2	11	152.1	1,336	87,051.1	742	65,228.2
48	King and Queen	82	1,856.8	60	758.1	22	1,098.7	22	1,098.7

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
12	240.0	0	0.0	42	695.0	2	0	2	479	1
18	687.6	23	1,035.5	176	8,259.5	0	0	0	748	2
0	0.0	0	0.0	0	0.0	7	0	7	134	3
0	0.0	0	0.0	0	0.0	0	0	0	95	4
12	378.0	4	115.0	54	1,440.0	3	0	3	305	5
2	30.0	0	0.0	0	0.0	0	0	0	152	6
0	0.0	0	0.0	1,074	71,603.3	49	0	49	1,292	7
0	0.0	0	0.0	0	0.0	7	0	7	694	8
12	1,300.0	0	0.0	0	0.0	0	0	0	75	9
0	0.0	0	0.0	34	920.0	0	0	0	530	10
0	0.0	0	0.0	0	0.0	0	0	0	77	11
0	0.0	0	0.0	0	0.0	0	0	0	99	12
0	0.0	0	0.0	0	0.0	0	0	0	184	13
0	0.0	0	0.0	0	0.0	1	0	1	256	14
0	0.0	0	0.0	0	0.0	0	0	0	191	15
10	290.0	20	533.0	18	500.0	4	0	4	572	16
0	0.0	0	0.0	0	0.0	2	0	2	219	17
4	179.0	0	0.0	0	0.0	0	0	0	363	18
0	0.0	0	0.0	0	0.0	1	0	1	62	19
0	0.0	0	0.0	6	75.0	0	0	0	137	20
12	360.0	0	0.0	16	565.0	5	0	5	4,293	21
0	0.0	0	0.0	28	900.0	1	0	1	116	22
0	0.0	0	0.0	0	0.0	0	0	0	76	23
30	1,041.8	0	0.0	75	1,250.0	6	0	6	432	24
0	0.0	0	0.0	0	0.0	0	0	0	74	25
0	0.0	0	0.0	0	0.0	0	0	0	55	26
0	0.0	0	0.0	0	0.0	0	0	0	227	27
0	0.0	0	0.0	16	260.0	0	0	0	95	28
0	0.0	8	316.0	2,025	69,418.7	50	0	50	11,120	29
0	10.0	8	220.0	0	0.0	2	0	2	964	30
0	0.0	0	0.0	44	1,500.0	0	0	0	121	31
0	0.0	0	0.0	0	0.0	0	0	0	250	32
0	0.0	4	100.0	0	0.0	8	0	8	635	33
0	0.0	0	0.0	40	650.0	0	0	0	592	34
0	0.0	0	0.0	0	0.0	2	0	2	146	35
4	103.0	50	1,370.0	94	4,672.0	0	0	0	909	36
2	46.2	0	0.0	0	0.0	0	0	0	231	37
0	0.0	0	0.0	0	0.0	0	0	0	215	38
0	0.0	0	0.0	0	0.0	0	0	0	148	39
0	0.0	0	0.0	0	0.0	0	0	0	64	40
0	0.0	0	0.0	0	0.0	0	0	0	139	41
0	0.0	48	932.0	132	3,061.0	0	0	0	1,471	42
0	0.0	0	0.0	927	13,941.8	81	0	81	3,118	43
0	0.0	11	220.0	76	1,653.0	6	0	6	756	44
0	0.0	0	0.0	0	0.0	0	0	0	19	45
0	0.0	16	390.7	40	712.2	13	0	13	488	46
6	110.0	387	16.934.6	201	4,778.3	3	0	3	1,344	47
0	0.0	0	0.0	0	0.0	1	0	1	81	48

Table 1. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
49	King George	283	11,073.2	91	1,049.0	192	10,024.1	145	8,981.3
50	King William	130	5,743.2	9	50.7	121	5,692.5	109	5,375.1
51	Lancaster	141	9,999.5	34	440.4	107	9,559.1	105	9,399.1
52	Lee	259	4,650.7	189	1,739.5	70	2,911.2	70	2,911.2
53	Loudoun	2,218	111,686.8	0	0.0	2,218	111,686.8	1,673	97,263.9
54	Louisa	381	11,949.5	114	1,223.2	267	10,726.3	192	9,035.1
55	Lunenburg	78	1,610.6	61	831.6	17	779.0	17	779.0
56	Madison	94	4,481.4	8	86.7	86	4,394.8	84	4,334.8
57	Mathews	141	5,769.3	62	869.7	79	4,899.6	77	4,647.6
58	Mecklenburg	398	10,463.9	240	3,330.7	158	7,133.2	136	6,053.2
59	Middlesex	149	5,924.4	61	734.8	88	5,189.6	88	5,189.6
60	Montgomery (5)	578	15,818.4	261	2,899.0	317	12,919.4	245	10,841.4
61	Nelson	227	14,613.8	55	587.9	172	14,025.9	120	9,357.9
62	New Kent	213	10,965.0	24	321.9	189	10,643.2	189	10,643.2
63	Northampton	127	3,571.5	69	785.1	58	2,786.5	58	2,786.5
64	Northumberland	203	9,900.0	0	0.0	203	9,900.0	197	9,600.0
65	Nottoway	102	2,336.1	74	774.2	28	1,561.9	28	1,561.9
66	Orange	252	14,020.6	34	392.0	218	13,628.6	218	13,628.6
67	Page	221	6,332.3	87	933.5	134	5,398.7	134	5,398.7
68	Patrick	235	5,171.4	147	1,417.3	88	3,754.1	88	3,754.1
69	Pittsylvania	907	21,045.7	576	6,030.0	331	15,015.7	313	14,660.7
70	Powhatan	228	11,830.6	6	59.8	222	11,770.8	216	11,626.8
71	Prince Edward	135	3,460.7	85	964.4	50	2,496.3	44	2,406.3
72	Prince George (2)	216	12,084.8	0	0.0	216	12,084.8	216	12,084.8
73	Prince William	5,305	239,125.9	1	13.8	5,304	239,112.0	3,422	196,575.7
74	Pulaski	326	7,260.7	148	1,508.1	178	5,752.6	102	4,659.6
75	Rappahannock	68	5,782.0	0	0.0	68	5,782.0	66	5,332.0
76	Richmond	57	1,175.3	29	207.1	28	968.1	28	968.1
77	Roanoke	786	37,579.3	46	628.1	740	36,951.1	692	36,019.3
38	Rockbridge	199	5,993.0	100	1,152.8	99	4,840.2	95	4,290.2
79	Rockingham	701	29,949.4	226	2,423.3	475	27,526.0	306	17,728.1
80	Russell	374	5,630.6	301	2,845.6	73	2,785.0	73	2,785.0
81	Scott	228	4,787.3	158	2,148.9	70	2,638.4	70	2,638.4
82	Shenandoah	412	17,184.8	44	496.5	368	16,688.3	287	14,266.3
83	Smyth	286	5,155.6	209	2,296.4	77	2,859.3	73	2,799.3
84	Southampton	169	5,630.8	100	1,428.6	69	4,202.2	69	4,202.2
85	Spotsylvania	1,487	95,680.3	168	1,936.7	1,319	93,743.6	1,279	93,118.6
86	Stafford	951	61,597.1	106	2,178.2	845	59,418.9	845	59,418.9
87	Surry	118	2,714.6	68	617.3	50	2,097.4	50	2,097.4
88	Sussex	91	1,459.6	80	1,005.3	11	454.3	11	454.3
89	Tazewell	514	14,320.3	362	4,672.2	152	9,648.0	88	5,112.8
90	Warren	280	12,737.9	16	181.2	264	12,556.7	252	12,406.7
91	Washington	600	15,257.0	267	3,575.8	333	11,681.2	279	10,407.1
92	Westmoreland	143	6,392.8	0	0.0	143	6,392.8	141	6,352.8
93	Wise	472	8,706.8	350	3,883.0	122	4,823.8	119	4,806.8
94	Wythe	311	7,348.3	185	2,105.5	126	5,242.8	94	4,509.8
95	York	1,050	54,498.9	30	30.8	1,020	54,468.1	724	48,059.8

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
6	162.9	41	880.0	0	0.0	0	0	0	283	49
0	0.0	6	167.4	6	150.0	0	0	0	130	50
2	160.0	0	0.0	0	0.0	0	0	0	141	51
0	0.0	0	0.0	0	0.0	0	0	0	259	52
4	133.9	12	436.6	529	13,852.4	0	0	0	2,218	53
6	114.5	8	179.7	61	1,397.0	0	0	0	381	54
0	0.0	0	0.0	0	0.0	0	0	0	78	55
2	60.0	0	0.0	0	0.0	0	0	0	94	56
2	252.0	0	0.0	0	0.0	0	0	0	141	57
0	0.0	0	0.0	22	1,080.0	0	0	0	398	58
0	0.0	0	0.0	0	0.0	5	0	5	144	59
32	658.0	16	568.0	24	852.0	6	0	6	572	60
4	80.0	0	0.0	48	4,588.0	0	0	0	227	61
0	0.0	0	0.0	0	0.0	1	0	1	212	62
0	0.0	0	0.0	0	0.0	3	0	3	124	63
0	0.0	6	300.0	0	0.0	3	0	3	200	64
0	0.0	0	0.0	0	0.0	20	0	20	82	65
0	0.0	0	0.0	0	0.0	0	0	0	252	66
0	0.0	0	0.0	0	0.0	1	0	1	220	67
0	0.0	0	0.0	0	0.0	0	0	0	235	68
6	135.0	4	60.0	8	160.0	0	0	0	907	69
6	144.0	0	0.0	0	0.0	0	0	0	228	70
6	90.0	0	0.0	0	0.0	0	0	0	135	71
0	0.0	0	0.0	0	0.0	2	0	2	214	72
0	0.0	0	0.0	1,882	42,536.3	2	0	2	5,303	73
0	0.0	8	100.0	68	993.0	5	0	5	321	74
2	450.0	0	0.0	0	0.0	0	0	0	68	75
0	0.0	0	0.0	0	0.0	0	0	0	57	76
12	314.3	0	0.0	36	617.5	24	0	24	762	77
0	0.0	4	550.0	0	0.0	0	0	0	199	78
12	489.0	3	80.0	154	9,229.0	0	0	0	701	79
0	0.0	0	0.0	0	0.0	0	0	0	374	80
0	0.0	0	0.0	0	0.0	0	0	0	228	81
6	200.0	8	170.0	67	2,052.0	7	0	7	405	82
0	0.0	4	60.0	0	0.0	2	0	2	284	83
0	0.0	0	0.0	0	0.0	6	0	6	163	84
0	0.0	0	0.0	40	625.0	2	0	2	1,485	85
0	0.0	0	0.0	0	0.0	1	0	1	950	86
0	0.0	0	0.0	0	0.0	0	0	0	118	87
0	0.0	0	0.0	0	0.0	10	0	10	81	88
0	0.0	4	691.2	60	3,844.0	0	0	0	514	89
0	0.0	0	0.0	12	150.0	11	0	11	269	90
6	97.3	11	252.4	37	924.4	6	0	6	594	91
2	40.0	0	0.0	0	0.0	0	0	0	143	92
0	0.0	3	17.0	0	0.0	0	0	0	472	93
8	153.0	4	70.0	20	510.0	0	0	0	311	94
0	0.0	24	1,457.2	272	4,951.1	15	0	15	1,035	95

Table 1. CONTINUED

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria	178	12,780.7	0	0.0	178	12,780.7	164	12,279.0
97	Bedford	25	771.2	7	80.7	18	690.5	18	690.5
98	Bristol	78	2,692.5	0	0.0	78	2,692.5	52	2,082.5
99	Buena Vista	11	516.5	0	0.0	11	516.5	11	516.5
100	Charlottesville	89	3,502.1	0	0.0	89	3,502.1	21	1,123.1
101	Chesapeake	3,026	189,000.4	58	1,023.6	2,968	187,976.8	2,147	157,182.9
102	Clifton Forge	1	30.0	0	0.0	1	30.0	1	30.0
103	Colonial Heights	96	3,586.4	0	0.0	96	3,586.4	64	3,156.0
104	Covington	3	163.0	0	0.0	3	163.0	3	163.0
105	Danville	46	2,071.7	18	236.2	28	1,835.5	28	1,835.5
106	Emporia	6	196.0	1	6.0	5	190.0	5	190.0
107	Fairfax	45	3,229.7	0	0.0	45	3,229.7	45	3,229.7
108	Falls Church	12	1,572.4	0	0.0	12	1,572.4	12	1,572.4
109	Franklin	53	3,148.4	0	0.0	53	3,148.4	42	2,901.4
110	Fredericksburg	315	5,706.6	0	0.0	315	5,706.6	15	987.9
111	Galax	62	1,684.3	27	311.3	35	1,373.0	12	645.0
112	Hampton	1,982	73,021.1	37	491.6	1,945	72,529.5	1,063	49,371.1
113	Harrisonburg	528	17,895.0	26	274.6	502	17,620.4	164	8,864.4
114	Hopewell	258	4,161.8	0	0.0	258	4,161.8	106	2,811.4
115	Lexington (4)	4	96.4	0	0.0	4	96.4	0	0.0
116	Lynchburg	247	11,524.6	31	277.5	216	11,247.1	92	6,749.3
117	Manassas	1,439	44,995.3	0	0.0	1,439	44,995.3	671	31,873.2
118	Manassas Park	60	1,831.3	0	0.0	60	1,831.3	60	1,831.3
119	Martinsville	52	1,421.0	0	0.0	52	1,421.0	10	473.0
120	Newport News	2,661	98,881.8	207	3,918.3	2,454	94,963.5	1,189	60,092.6
121	Norfolk	1,644	42,095.1	0	0.0	1,644	42,095.1	299	15,662.1
122	Norton	28	558.8	20	230.6	8	328.2	4	248.2
123	Petersburg	229	3,694.8	46	559.8	183	3,135.0	32	832.0
124	Poquoson	105	9,221.5	6	76.9	99	9,144.6	99	9,144.6
125	Portsmouth	973	38,040.9	0	0.0	973	38,040.9	380	21,831.2
126	Radford	176	5,957.5	9	114.3	167	5,843.2	28	1,633.5
127	Richmond	610	23,601.4	0	0.0	610	23,601.4	333	15,458.0
128	Roanoke	406	11,309.2	0	0.0	406	11,309.2	82	4,116.3
129	Salem	127	6,390.8	0	0.0	127	6,390.8	94	5,372.4
130	South Boston	8	604.8	0	0.0	8	604.8	8	604.8
131	Staunton	79	2,387.8	0	0.0	79	2,387.8	29	1,492.8
132	Suffolk (2)	604	29,774.3	71	1,342.3	533	28,431.9	287	21,351.3
133	Virginia Beach	9,339	449,933.8	0	0.0	9,339	449,933.8	8,085	415,442.7
134	Waynesboro	87	4,683.6	3	18.5	84	4,665.0	45	2,972.7
135	Williamsburg	84	5,850.2	0	0.0	84	5,850.2	42	3,990.2
136	Winchester (2)	327	10,602.0	0	0.0	327	10,602.0	109	6,206.0
	PLANNING DISTRICTS								
137	LENOWISCO	987	18,703.6	717	8,002.0	270	10,701.6	263	10,604.6
138	Cumberland Plateau	1,200	25,414.8	898	10,521.0	302	14,893.7	238	10,358.5

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
2	50.0	4	171.6	8	280.0	9	0	9	169	96
0	0.0	0	0.0	0	0.0	5	0	5	20	97
22	510.0	4	100.0	0	0.0	4	0	4	74	98
0	0.0	0	0.0	0	0.0	0	0	0	11	99
30	959.0	0	0.0	38	1,420.0	15	0	15	74	100
42	1,412.7	8	308.1	771	29,073.1	60	0	60	2,966	101
0	0.0	0	0.0	0	0.0	0	0	0	1	102
2	30.9	0	0.0	30	399.5	7	0	7	89	103
0	0.0	0	0.0	0	0.0	10	0	10	-7	104
0	0.0	0	0.0	0	0.0	19	0	19	27	105
0	0.0	0	0.0	0	0.0	1	0	1	5	106
0	0.0	0	0.0	0	0.0	7	0	7	38	107
0	0.0	0	0.0	0	0.0	3	0	3	9	108
4	64.0	7	183.0	0	0.0	10	0	10	43	109
0	0.0	0	0.0	300	4,718.7	3	0	3	312	110
14	350.0	0	0.0	9	378.0	15	0	15	47	111
0	0.0	4	50.0	878	23,108.4	31	0	31	1,951	112
18	490.0	71	1,751.0	249	6,515.0	8	0	8	520	113
92	922.4	0	0.0	60	428.1	22	0	22	236	114
4	96.4	0	0.0	0	0.0	2	0	2	2	115
32	1,503.8	0	0.0	92	2,994.0	41	0	41	206	116
0	0.0	0	0.0	768	13,122.1	1	0	1	1,438	117
0	0.0	0	0.0	0	0.0	0	0	0	60	118
2	40.0	16	412.0	24	496.0	23	0	23	29	119
60	4,448.4	7	169.5	1,198	30,253.0	40	0	40	2,621	120
184	4,032.6	181	3,464.5	980	18,936.0	582	0	582	1,062	121
0	0.0	4	80.0	0	0.0	0	0	0	28	122
2	28.0	0	0.0	149	2,275.0	44	0	44	185	123
0	0.0	0	0.0	0	0.0	0	0	0	105	124
4	128.0	0	0.0	589	16,081.7	40	0	40	933	125
0	0.0	4	130.0	135	4,079.7	9	0	9	167	126
4	122.4	4	200.0	269	7,821.0	128	0	128	482	127
30	545.8	4	75.0	290	6,572.1	58	0	58	348	128
4	121.0	8	120.1	21	777.4	16	0	16	111	129
0	0.0	0	0.0	0	0.0	2	0	2	6	130
0	0.0	0	0.0	50	895.0	3	0	3	76	131
108	3,520.6	32	1,372.0	106	2,188.0	45	0	45	559	132
100	5,878.0	0	0.0	1,154	28,613.0	91	0	91	9,248	133
4	191.0	14	538.0	21	963.3	5	0	5	82	134
0	0.0	32	1,505.0	10	355.0	8	0	8	76	135
4	130.0	4	48.0	210	4,218.0	21	0	21	306	136
0	0.0	7	97.0	0	0.0	0	0	0	987	137
0	0.0	4	691.2	60	3,844.0	1	0	1	1,199	138

Table 1. CONTINUED

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	1,992	46,209.9	1,106	12,741.1	886	33,468.9	743	29,884.8
140	New River Valley	1,349	37,105.7	526	5,696.0	823	31,409.7	492	22,529.0
141	Fifth	1,639	64,954.3	164	1,580.6	1,475	63,373.6	1,070	54,230.5
142	Central Shenandoah	2,404	92,699.0	709	7,904.7	1,695	84,794.1	1,079	61,706.5
143	Lord Fairfax	1,949	82,520.9	185	2,254.8	1,764	80,266.0	1,385	71,748.0
144	Northern Virginia	21,768	1,161,146.4	1	13.8	21,767	1,161,132.5	15,451	949,211.3
145	Rappahannock-Rapidan	1,818	120,325.7	104	1,610.9	1,714	118,714.9	1,597	115,683.1
146	Thomas Jefferson	1,843	101,812.6	272	3,013.8	1,571	98,798.7	1,159	80,077.9
147	Central Virginia	1,838	57,819.3	866	7,814.7	972	50,004.7	694	41,300.9
148	West Piedmont	2,645	68,889.1	1,523	16,340.7	1,122	52,548.4	971	49,272.4
149	Southside	729	19,259.2	448	5,904.0	281	13,355.2	259	12,275.2
150	Piedmont	812	19,159.0	530	5,965.2	282	13,193.8	270	13,028.8
151	Richmond Regional	10,313	425,845.1	433	5,613.6	9,880	420,231.7	8,460	393,038.3
152	RADCO	3,257	185,104.6	443	6,086.9	2,814	179,017.6	2,427	172,631.1
153	Northern Neck	544	27,467.6	63	647.5	481	26,820.0	471	26,320.0
154	Middle Peninsula	1,506	62,336.2	566	8,142.4	940	54,193.9	762	47,219.5
155	Crater	1,305	36,363.1	350	4,249.1	955	32,114.1	620	28,030.3
156	Southeastern Virginia	16,309	771,692.8	437	3,794.5	15,872	767,898.1	11,546	651,539.9
157	Peninsula	7,229	328,676.7	291	4,669.7	6,938	324,007.0	3,859	235,886.5
158	Accomack-Northampton	608	17,361.9	270	3,195.1	338	14,166.9	284	13,231.9
159	Virginia	84,044	3,770,867.5	10,902	125,762.1	73,142	3,645,105.0	54,100	3,089,809.0

NA	Data not available.
1	Onancock Town did not report. The balance of Accomack County reported 12 months.
2	Reported 11 months.
3	Craigsville Town did not report. The balance of Augusta County reported 12 months.
4	Reported six months.
5	Blacksburg Town did not report. The balance of Montgomery County reported 12 months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
54	1,289.3	23	482.4	66	1,812.4	27	0	27	1,965	139
32	658.0	28	798.0	271	7,424.7	22	0	22	1,327	140
46	981.1	12	195.1	347	7,967.0	115	0	115	1,524	141
50	2,566.4	92	2,919.0	474	17,602.3	25	0	25	2,379	142
10	330.0	12	218.0	357	7,970.0	41	0	41	1,908	143
6	183.9	24	924.2	6,286	210,812.8	121	0	121	21,647	144
34	1,561.8	8	220.0	75	1,250.0	8	0	8	1,810	145
58	1,841.1	31	1,215.2	323	15,664.5	15	0	15	1,828	146
56	2,201.8	24	648.0	198	5,854.0	53	0	53	1,785	147
8	175.0	35	792.0	108	2,309.0	56	0	56	2,589	148
0	0.0	0	0.0	22	1,080.0	2	0	2	727	149
6	90.0	0	0.0	6	75.0	20	0	20	792	150
24	672.6	52	1,132.0	1,344	25,388.8	216	0	216	10,097	151
6	162.9	41	880.0	340	5,343.7	8	0	8	3,249	152
4	200.0	6	300.0	0	0.0	3	0	3	541	153
6	355.0	56	1,537.4	116	5,082.0	6	0	6	1,500	154
96	981.3	0	0.0	239	3,102.6	86	0	86	1,219	155
442	15,035.9	244	5,718.3	3,640	95,604.0	847	0	847	15,462	156
66	4,558	454	20,116.3	2,559	63,445.8	97	0	97	7,132	157
12	240.0	0	0.0	42	695.0	5	0	5	603	158
1,016	34,084.5	1,153	38,884.1	16,873	482,327.6	1,774	0	1,774	82,270	159

Table 2.
Nonresidential Buildings Authorized in Virginia Localities, 1986

Line	Jurisdiction	Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
		Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack	54	5,889.0	0	0.0	3	570.0	1	400.0
2	Albemarle	192	11,904.5	0	0.0	8	3,875.0	5	273.3
3	Alleghany	41	211.5	0	0.0	0	0.0	1	54.5
4	Amelia	4	352.5	0	0.0	0	0.0	4	352.5
5	Amherst (1)	47	469.7	0	0.0	1	200.0	2	115.0
6	Appomattox	0	0.0	0	0.0	0	0.0	0	0.0
7	Arlington (1)	23	168,203.9	0	0.0	0	0.0	0	0.0
8	Augusta (2)	266	13,283.6	4	264.3	3	347.1	8	2,680.0
9	Bath	27	2,250.1	0	0.0	0	0.0	0	0.0
10	Bedford (3)	0	0.0	0	0.0	0	0.0	0	0.0
11	Bland	3	586.6	0	0.0	2	446.1	0	0.0
12	Botetourt (3)	0	0.0	0	0.0	0	0.0	0	0.0
13	Brunswick	43	1,539.2	0	0.0	0	0.0	1	241.9
14	Buchanan	32	3,091.3	0	0.0	0	0.0	1	414.0
15	Buckingham	0	0.0	0	0.0	0	0.0	0	0.0
16	Campbell	92	6,251.5	0	0.0	3	55.0	10	2,383.8
17	Caroline	19	2,182.1	0	0.0	2	1,340.0	0	0.0
18	Carroll	115	1,175.9	0	0.0	1	34.0	2	110.0
19	Charles City	47	518.5	0	0.0	0	0.0	1	217.4
20	Charlotte	19	1,104.2	1	40.0	1	675.0	9	273.5
21	Chesterfield	195	49,756.0	5	1,004.0	9	1,399.0	9	6,539.5
22	Clarke	24	4,963.2	0	0.0	1	4,500.0	0	0.0
23	Craig	1	357.5	0	0.0	0	0.0	0	0.0
24	Culpeper	95	2,132.6	1	250.0	0	0.0	0	0.0
25	Cumberland	10	689.0	0	0.0	0	0.0	0	0.0
26	Dickenson	4	600.0	0	0.0	2	26.0	0	0.0
27	Dinwiddie	53	317.0	0	0.0	0	0.0	0	0.0
28	Essex	43	2,888.0	0	0.0	1	105.0	1	4.0
29	Fairfax	815	540,205.6	0	0.0	271	62,835.4	16	18,592.3
30	Fauquier	185	12,350.8	0	0.0	13	129.5	10	5,937.5
31	Floyd	6	161.4	2	21.4	2	80.0	0	0.0
32	Fluvanna	5	3,168.5	2	3,008.0	0	0.0	2	110.5
33	Franklin	326	10,316.3	5	660.0	4	1,072.0	4	1,044.0
34	Frederick	119	9,389.4	0	0.0	4	1,747.2	11	2,547.5
35	Giles	26	1,731.7	0	0.0	0	0.0	1	30.0
36	Gloucester	22	2,870.0	2	479.0	1	189.0	0	0.0
37	Goochland	60	1,429.0	0	0.0	0	0.0	6	852.1
38	Grayson	2	80.8	0	0.0	2	80.8	0	0.0
39	Greene	49	714.5	0	0.0	0	0.0	1	127.5
40	Greensville	8	3,057.6	1	12.0	1	247.0	1	2,000.0
41	Halifax	55	937.1	0	0.0	0	0.0	3	54.7
42	Hanover	77	1,748.5	0	0.0	2	450.0	4	556.0
43	Henrico	309	67,651.2	8	1,717.9	7	4,579.2	20	3,933.2
44	Henry	90	7,899.8	2	62.5	2	65.0	4	703.9
45	Highland	2	206.4	0	0.0	1	101.4	0	0.0
46	Isle of Wight (3)	0	0.0	0	0.0	0	0.0	0	0.0
47	James City	19	19,263.5	6	4,364.0	2	20.0	0	0.0
48	King and Queen	25	720.1	0	0.0	0	0.0	3	542.0

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	0	0.0	7	1,103.0	0	0.0	7	2,991.0	36	825.0	1
0	0.0	0	0.0	18	5,500.5	6	803.2	3	393.4	152	1,059.0	2
0	0.0	1	3.2	3	25.0	1	35.0	3	51.7	32	42.1	3
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4
0	0.0	2	30.0	0	0.0	0	0.0	1	6.0	41	118.6	5
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6
0	474.2	0	0.0	20	165,949.7	0	0.0	2	1,500.0	1	280.0	7
0	0.0	3	258.5	2	130.0	2	101.6	13	5,832.8	231	3,669.3	8
0	0.0	0	0.0	4	86.6	4	2,045.6	0	0.0	19	118.0	9
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10
0	0.0	0	0.0	0	0.0	0	0.0	1	140.5	0	0.0	11
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12
0	0.0	0	0.0	1	160.2	0	0.0	5	702.7	36	434.5	13
0	0.0	2	101.0	2	320.4	0	0.0	19	2,132.4	8	123.5	14
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15
0	0.0	10	316.1	10	1,156.3	6	416.0	9	1,396.1	44	528.1	16
0	0.0	0	0.0	4	736.0	0	0.0	0	0.0	13	106.1	17
0	0.0	1	16.0	4	200.0	1	100.0	6	428.5	100	287.4	18
0	0.0	1	53.3	0	0.0	2	86.0	2	125.0	41	36.9	19
0	0.0	0	0.0	0	0.0	0	0.0	1	58.8	7	57.0	20
0	0.0	1	65.0	63	15,945.5	0	0.0	89	24,591.1	19	211.9	21
0	0.0	0	0.0	1	126.0	0	0.0	2	40.0	20	297.2	22
0	0.0	0	0.0	0	0.0	1	357.5	0	0.0	0	0.0	23
0	0.0	0	0.0	3	495.0	1	35.0	3	814.0	87	538.6	24
0	0.0	0	0.0	0	0.0	0	0.0	1	40.0	9	649.0	25
0	0.0	0	0.0	1	324.0	1	250.0	0	0.0	0	0.0	26
0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	52	217.0	27
0	0.0	0	0.0	4	316.0	0	0.0	15	2,299.4	22	163.6	28
0	0.0	0	0.0	267	390,893.4	0	0.0	243	67,773.6	18	110.8	29
0	0.0	1	81.8	5	923.0	2	48.0	17	3,148.5	137	2,082.6	30
0	0.0	0	0.0	0	0.0	1	30.0	1	30.0	0	0.0	31
0	0.0	0	0.0	1	50.0	0	0.0	0	0.0	0	0.0	32
0	0.0	0	0.0	12	1,874.1	1	5.5	16	4,262.0	284	1,398.7	33
0	0.0	2	174.9	4	2,163.4	0	0.0	10	2,389.0	88	367.4	34
0	0.0	0	0.0	3	1,399.0	1	47.6	3	128.6	18	126.4	35
0	0.0	3	279.0	2	274.0	0	0.0	8	1,367.0	6	282.0	36
0	0.0	0	0.0	1	18.8	0	0.0	0	0.0	53	558.2	37
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	38
0	0.0	2	101.9	0	0.0	0	0.0	3	307.2	43	177.9	39
0	0.0	2	467.0	2	71.6	0	0.0	1	260.0	0	0.0	40
0	0.0	0	0.0	0	0.0	1	36.5	51	845.9	0	0.0	41
0	0.0	0	0.0	1	250.0	0	0.0	1	172.0	69	320.5	42
0	0.0	2	325.8	41	38,315.4	2	192.2	64	17,509.1	165	1,078.4	43
0	0.0	7	298.9	2	855.0	3	229.7	27	5,519.3	43	165.7	44
0	0.0	0	0.0	1	105.0	0	0.0	0	0.0	0	0.0	45
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	46
0	0.0	0	0.0	3	3,650.1	0	0.0	2	340.0	6	10,889.4	47
0	0.0	0	0.0	0	0.0	0	0.0	3	139.0	19	39.1	48

Table 2. CONTINUED

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
49	King George	1	150.0	0	0.0	0	0.0	0	0.0
50	King William	0	0.0	0	0.0	0	0.0	0	0.0
51	Lancaster	84	6,116.7	1	2.0	3	1,263.9	0	0.0
52	Lee	23	1,392.5	0	0.0	7	232.8	0	0.0
53	Loudoun (3)	0	0.0	0	0.0	0	0.0	0	0.0
54	Louisa	13	1,141.1	1	103.0	2	153.0	2	40.0
55	Lunenburg	7	300.7	2	32.5	2	42.7	2	214.5
56	Madison	28	1,493.1	0	0.0	2	110.0	1	1,250.0
57	Mathews	4	451.5	0	0.0	1	346.5	0	0.0
58	Mecklenburg	80	2,157.3	0	0.0	5	535.0	0	0.0
59	Middlesex	88	964.4	0	0.0	1	266.6	0	0.0
60	Montgomery (4)	76	5,380.9	1	8.0	2	300.0	0	0.0
61	Nelson	52	1,288.8	1	114.9	2	150.0	3	147.0
62	New Kent	44	775.0	0	0.0	0	0.0	1	18.0
63	Northampton	5	216.0	0	0.0	1	70.0	1	40.0
64	Northumberland	3	350.0	1	250.0	0	0.0	0	0.0
65	Nottoway	12	1,824.0	0	0.0	1	78.0	2	75.0
66	Orange	37	8,477.4	0	0.0	1	670.0	6	2,982.5
67	Page	221	6,525.7	1	15.0	1	80.0	1	1,400.0
68	Patrick	9	1,246.0	2	123.0	0	0.0	5	683.0
69	Pittsylvania	213	4,077.9	1	11.0	5	403.0	3	1,196.0
70	Powhatan	5	152.0	0	0.0	0	0.0	2	65.0
71	Prince Edward	15	2,013.2	1	440.0	2	678.0	0	0.0
72	Prince George (1)	60	2,614.9	0	0.0	0	0.0	0	0.0
73	Prince William	194	60,941.9	8	1,213.2	1	300.0	46	18,251.2
74	Pulaski	15	632.2	0	0.0	1	15.0	1	15.0
75	Rappahannock	6	804.0	0	0.0	1	100.0	0	0.0
76	Richmond (3)	0	0.0	0	0.0	0	0.0	0	0.0
77	Roanoke	135	9,822.0	3	56.9	7	2,655.2	8	1,581.4
38	Rockbridge	60	693.3	0	0.0	0	0.0	2	180.0
79	Rockingham	564	26,643.6	0	0.0	1	145.0	15	8,559.6
80	Russell	3	415.0	0	0.0	1	150.0	0	0.0
81	Scott	6	366.0	0	0.0	1	20.0	1	35.0
82	Shenandoah	165	5,864.5	1	12.0	2	2,550.0	1	1,400.0
83	Smyth	27	3,481.0	0	0.0	2	1,970.0	8	767.0
84	Southampton	15	446.8	0	0.0	0	0.0	6	206.5
85	Spotsylvania	311	22,785.0	1	100.0	2	675.0	0	0.0
86	Stafford	14	2,768.6	1	20.0	3	270.0	4	1,993.6
87	Surry	9	1,159.0	0	0.0	1	150.0	0	0.0
88	Sussex	18	226.5	0	0.0	1	35.0	2	45.0
89	Tazewell	111	5,963.5	5	293.1	4	1,926.4	10	612.3
90	Warren	91	2,826.5	3	42.0	2	1,806.0	3	111.5
91	Washington	58	2,567.3	2	84.2	10	1,084.0	13	680.0
92	Westmoreland	1	10.0	0	0.0	0	0.0	1	10.0
93	Wise	29	987.6	4	41.0	0	0.0	0	0.0
94	Wythe	39	1,576.8	0	0.0	0	0.0	1	180.0
95	York	98	8,600.3	3	304.1	2	340.0	9	715.0

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	0	0.0	1	150.0	0	0.0	0	0.0	0	0.0	49
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	50
0	0.0	0	0.0	3	542.0	0	0.0	30	3,932.7	47	376.0	51
0	0.0	1	18.0	4	976.0	1	15.0	4	99.3	6	51.4	52
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53
0	0.0	0	0.0	2	104.7	0	0.0	5	359.2	1	381.2	54
0	0.0	0	0.0	0	0.0	0	0.0	1	11.0	0	0.0	55
0	0.0	0	0.0	0	0.0	0	0.0	1	55.0	24	78.1	56
0	0.0	1	20.0	0	0.0	0	0.0	2	85.0	0	0.0	57
0	0.0	0	0.0	2	177.8	1	200.0	2	188.5	70	1,056.0	58
0	0.0	1	55.0	6	244.5	0	0.0	4	274.0	76	124.3	59
0	0.0	3	125.0	2	415.2	2	44.1	14	4,327.2	52	161.4	60
1	40.0	1	6.0	1	252.0	2	36.9	8	444.1	33	97.9	61
0	0.0	0	0.0	1	112.0	1	400.0	2	105.0	39	140.0	62
0	0.0	0	0.0	2	81.0	0	0.0	1	25.0	0	0.0	63
0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0	64
0	0.0	3	37.5	1	200.0	0	0.0	2	933.5	3	500.0	65
0	0.0	1	10.0	3	149.5	0	0.0	11	3,502.0	15	1,163.4	66
0	0.0	2	37.0	0	0.0	0	0.0	19	1,631.4	197	3,362.3	67
0	0.0	1	200.0	0	0.0	0	0.0	1	240.0	0	0.0	68
0	0.0	7	179.5	1	40.0	3	290.0	10	1,237.9	183	720.5	69
0	0.0	0	0.0	1	35.0	0	0.0	1	45.0	1	7.0	70
0	0.0	0	0.0	1	135.0	0	0.0	2	643.5	9	116.7	71
0	0.0	0	0.0	1	140.0	0	0.0	0	0.0	59	2,474.9	72
0	0.0	1	100.0	37	12,991.4	15	4,123.1	38	23,894.9	48	68.1	73
0	0.0	1	121.4	0	0.0	0	0.0	1	430.0	11	50.8	74
0	0.0	0	0.0	2	332.0	0	0.0	1	348.0	2	24.0	75
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	76
0	0.0	0	0.0	9	3,625.1	5	10.8	7	1,245.7	96	646.8	77
0	0.0	0	0.0	0	0.0	0	0.0	6	216.0	52	297.4	78
0	0.0	6	218.5	8	804.0	0	0.0	1	40.0	533	16,876.5	79
0	0.0	1	100.0	1	165.0	0	0.0	0	0.0	0	0.0	80
0	0.0	2	140.0	1	165.3	0	0.0	0	0.0	1	5.7	81
0	0.0	1	25.0	2	27.0	0	0.0	1	30.0	157	1,820.5	82
0	0.0	6	151.0	2	320.0	1	65.0	4	122.0	4	86.0	83
0	0.0	0	0.0	0	0.0	0	0.0	9	240.3	0	0.0	84
0	0.0	1	28.0	13	2,131.2	0	0.0	71	18,367.0	223	1,483.8	85
0	0.0	0	0.0	0	0.0	0	0.0	3	433.0	3	52.0	86
0	0.0	0	0.0	0	0.0	6	905.0	0	0.0	2	104.8	87
0	0.0	0	0.0	0	0.0	0	0.0	2	73.0	13	73.5	88
0	0.0	2	35.0	5	502.9	10	303.8	65	1,962.7	10	327.4	89
0	0.0	0	0.0	0	0.0	0	0.0	17	796.2	66	70.8	90
0	0.0	7	185.0	5	145.8	0	0.0	6	278.8	15	109.5	91
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	92
0	0.0	6	352.9	1	197.0	0	0.0	6	327.4	12	69.3	93
0	0.0	3	372.8	0	0.0	2	83.0	13	802.9	20	138.1	94
0	0.0	2	525.0	14	1,681.5	4	388.0	56	4,599.5	8	47.1	95

Table 2. CONTINUED

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria	23	36,045.6	0	0.0	0	0.0	1	1,928.8
97	Bedford	46	3,301.7	0	0.0	1	2,117.9	1	634.4
98	Bristol	28	2,091.6	0	0.0	1	24.0	2	108.1
99	Buena Vista	27	2,299.8	0	0.0	1	200.0	1	1,715.0
100	Charlottesville	49	6,801.8	0	0.0	0	0.0	0	0.0
101	Chesapeake	136	59,893.9	4	3,582.2	5	3,043.0	26	5,427.3
102	Clifton Forge	7	1,304.7	0	0.0	1	1,300.0	0	0.0
103	Colonial Heights	56	1,072.9	0	0.0	1	82.3	2	506.3
104	Covington	6	515.0	0	0.0	0	0.0	0	0.0
105	Danville	82	2,598.2	0	0.0	2	400.0	0	0.0
106	Emporia	14	565.8	0	0.0	0	0.0	1	49.5
107	Fairfax	17	27,099.7	0	0.0	0	0.0	2	502.5
108	Falls Church	6	1,066.1	1	16.0	0	0.0	0	0.0
109	Franklin	31	3,018.9	0	0.0	0	0.0	0	0.0
110	Fredericksburg	37	2,381.4	0	0.0	0	0.0	1	128.8
111	Galax	18	5,161.4	1	365.0	1	75.0	0	571.5
112	Hampton	1,107	46,856.0	3	322.0	4	5,653.0	16	3,093.5
113	Harrisonburg	62	8,482.3	0	0.0	0	0.0	3	264.5
114	Hopewell	16	80,525.1	0	0.0	1	20.0	8	77,195.2
115	Lexington (5)	1	6,400.0	0	0.0	1	6,400.0	0	0.0
116	Lynchburg	88	16,376.9	0	0.0	8	4,965.3	1	30.0
117	Manassas	42	10,622.4	1	515.0	3	1,055.6	9	3,721.4
118	Manassas Park	62	5,887.5	0	0.0	0	0.0	23	5,718.2
119	Martinsville	6	1,580.0	0	0.0	1	275.0	1	850.0
120	Newport News	393	95,135.8	8	2,144.6	2	675.0	31	37,930.2
121	Norfolk	200	50,500.5	2	1,041.0	8	4,656.6	14	2,271.0
122	Norton	3	185.0	0	0.0	0	0.0	2	150.0
123	Petersburg	32	5,232.2	0	0.0	4	685.0	3	506.0
124	Poquoson	6	1,572.3	0	0.0	1	1,275.0	2	180.0
125	Portsmouth (6)	222	41,748.7	0	0.0	1	1,387.0	6	21,649.0
126	Radford	5	1,081.2	0	0.0	0	0.0	0	0.0
127	Richmond	102	14,227.5	2	660.3	7	2,338.1	7	2,207.8
128	Roanoke	135	19,026.3	5	124.1	7	3,609.8	27	5,058.8
129	Salem	48	3,704.9	1	150.0	2	374.0	6	1,040.7
130	South Boston	2	1,153.7	0	0.0	1	352.7	0	0.0
131	Staunton	32	1,678.3	0	0.0	0	0.0	3	100.0
132	Suffolk (1)	62	5,702.2	0	0.0	0	0.0	0	0.0
133	Virginia Beach	691	99,516.1	16	18,175.5	8	1,494.0	13	3,767.5
134	Waynesboro	37	599.6	0	0.0	0	0.0	4	488.2
135	Williamsburg	13	4,540.6	2	3,425.0	0	0.0	1	5.0
136	Winchester (1)	50	4,269.0	1	300.0	1	230.0	7	1,827.4
	PLANNING DISTRICTS								
137	LENOWISCO	61	2,931.1	4	41.0	8	252.8	3	185.0
138	Cumberland Plateau	150	10,069.8	5	293.1	7	2,102.4	11	1,026.3

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
1	650.0	1	375.0	13	26,402.6	0	0.0	7	6,689.3	0	0.0	96
0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	43	449.4	97
0	0.0	1	80.5	5	675.6	0	0.0	8	1,195.6	11	7.8	98
0	0.0	0	0.0	2	336.6	0	0.0	0	0.0	23	48.2	99
1	1,800.0	1	4.0	5	1,238.5	0	0.0	17	3,617.0	25	142.3	100
0	0.0	2	1,253.0	49	19,392.5	3	1,016.7	40	24,794.6	7	1,384.5	101
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	4.8	102
0	0.0	2	63.8	3	222.7	0	0.0	2	153.4	46	44.6	103
0	0.0	0	0.0	0	0.0	0	0.0	3	440.0	3	75.0	104
0	0.0	2	68.0	2	269.0	0	0.0	14	1,731.1	62	130.1	105
0	0.0	0	0.0	0	0.0	0	0.0	4	508.3	9	8.0	106
0	0.0	0	0.0	11	22,675.2	0	0.0	4	3,922.0	0	0.0	107
0	0.0	0	0.0	1	7.2	0	0.0	2	1,041.0	2	1.9	108
0	0.0	0	0.0	2	380.0	0	0.0	29	2,638.9	0	0.0	109
0	0.0	0	0.0	0	0.0	0	0.0	20	2,005.4	16	247.2	110
0	0.0	2	28.5	1	100.0	0	0.0	7	3,892.0	6	129.4	111
1	2,500.0	0	0.0	6	21,640.0	0	0.0	70	9,060.5	1,007	4,586.9	112
0	0.0	3	270.9	1	8.5	0	0.0	19	7,870.2	36	68.2	113
0	0.0	0	0.0	2	155.0	0	0.0	3	2,839.9	2	315.0	114
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	115
1	175.0	2	215.0	5	2,996.9	1	190.0	17	7,674.6	53	130.1	116
0	0.0	1	12.0	10	2,189.8	0	0.0	5	2,032.0	13	1,096.5	117
0	0.0	0	0.0	0	0.0	0	0.0	1	150.0	38	19.4	118
0	0.0	0	0.0	0	0.0	0	0.0	4	455.0	0	0.0	119
1	6.5	6	652.0	42	16,448.9	1	196.8	113	35,450.5	189	1,631.3	120
0	0.0	1	94.0	14	35,856.4	0	0.0	21	6,403.6	140	177.9	121
0	0.0	0	0.0	0	0.0	1	35.0	0	0.0	0	0.0	122
0	0.0	2	58.3	3	115.4	0	0.0	7	3,744.0	13	123.5	123
0	0.0	0	0.0	2	109.3	0	0.0	0	0.0	1	8.0	124
1	2,800.0	0	0.0	0	0.0	2	269.8	27	14,974.8	185	668.0	125
0	0.0	0	0.0	2	205.0	0	0.0	3	876.2	0	0.0	126
1	164.1	4	518.6	11	5,794.8	2	207.0	17	1,998.9	51	337.9	127
0	0.0	1	150.0	8	987.1	1	400.0	19	6,487.9	67	2,208.7	128
0	0.0	1	13.8	9	1,185.0	0	0.0	9	923.2	20	18.3	129
0	0.0	0	0.0	0	0.0	0	0.0	1	801.0	0	0.0	130
0	0.0	0	0.0	2	330.0	0	0.0	2	1,225.0	25	23.3	131
0	0.0	0	0.0	0	0.0	0	0.0	41	5,549.4	21	152.8	132
1	200.0	5	1,060.0	68	35,512.0	1	39.0	96	37,792.4	483	1,475.6	133
0	0.0	0	0.0	1	60.0	0	0.0	0	0.0	32	51.4	134
0	0.0	0	0.0	2	330.0	2	205.5	1	550.0	5	25.1	135
0	0.0	0	0.0	5	896.0	0	0.0	20	951.8	16	63.7	136
0	0.0	9	510.9	6	1,338.3	2	50.0	10	426.7	19	126.4	137
0	0.0	5	236.0	9	1,312.3	11	553.8	84	4,095.1	18	450.9	138

Table 2. CONTINUED

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	290	16,721.4	3	449.2	19	3,713.9	26	2,416.6
140	New River Valley	128	8,987.4	3	29.4	5	395.0	2	45.0
141	Fifth	373	34,941.9	9	331.0	17	7,939.0	42	7,735.4
142	Central Shenandoah	1,078	62,537.0	4	264.3	7	7,193.5	36	13,987.3
143	Lord Fairfax	670	33,838.3	6	369.0	11	10,913.2	23	7,286.4
144	Northern Virginia	1,182	850,072.7	10	1,744.2	275	64,191.0	97	48,714.4
145	Rappahannock-Rapidan	351	25,257.9	1	250.0	17	1,009.5	17	10,170.0
146	Thomas Jefferson	360	25,019.2	4	3,225.9	12	4,178.0	13	698.3
147	Central Virginia	273	26,399.8	0	0.0	13	7,338.2	14	3,163.2
148	West Piedmont	726	27,718.2	10	856.5	14	2,215.0	17	4,476.9
149	Southside	180	5,787.3	0	0.0	6	887.7	4	296.6
150	Piedmont	67	6,283.6	4	512.5	6	1,473.7	17	915.5
151	Richmond Regional	839	136,257.7	15	3,382.2	25	8,766.3	50	14,389.0
152	RADCO	382	30,267.1	2	120.0	7	2,285.0	5	2,122.4
153	Northern Neck	88	6,476.7	2	252.0	3	1,263.9	1	10.0
154	Middle Peninsula	182	7,894.0	2	479.0	4	907.1	4	546.0
155	Crater	266	94,771.8	1	12.0	9	1,219.3	17	80,302.0
156	Southeastern Virginia	1,357	260,827.1	22	22,798.7	22	10,580.6	65	33,321.3
157	Peninsula	1,636	175,968.5	22	10,559.7	11	7,963.0	59	41,923.7
158	Accomack-Northampton	59	6,105.0	0	0.0	4	640.0	2	440.0
159	Virginia	10,698	1,855,133.6	129	45,969.7	502	147,428.1	525	274,171.3

RA	Reports annually.
NA	Data not available.
1	Reported 11 months.
2	Craigsville Town did not report. The balance of Augusta County reported 12 months.
3	Did not report.
4	Blacksburg Town did not report. The balance of Montgomery County reported 12 months.
5	Reported six months.
6	Reported ten months.

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	20	833.8	17	1,441.4	4	248.0	45	6,860.3	156	758.2	139
0	0.0	4	246.4	7	2,019.2	4	121.7	22	5,792.0	81	338.6	140
0	0.0	3	167.0	29	5,822.2	8	803.3	41	9,148.5	224	2,995.7	141
0	0.0	12	747.9	21	1,860.7	6	2,147.2	41	15,184.0	951	21,152.3	142
0	0.0	5	236.9	12	3,212.4	0	0.0	69	5,838.4	544	5,981.9	143
1	1,124.2	3	487.0	359	621,109.3	15	4,123.1	302	107,002.8	120	1,576.7	144
0	0.0	2	91.8	13	1,899.5	3	83.0	33	7,867.5	265	3,886.7	145
2	1,840.0	4	111.9	27	7,145.7	8	840.1	36	5,120.9	254	1,858.3	146
1	175.0	14	561.1	16	4,253.2	7	606.0	27	9,076.7	181	1,226.2	147
0	0.0	17	746.4	17	3,038.1	7	525.2	72	13,445.3	572	2,415.0	148
0	0.0	0	0.0	3	338.0	2	236.5	59	2,538.1	106	1,490.5	149
0	0.0	3	37.5	2	335.0	0	0.0	7	1,686.8	28	1,322.7	150
1	164.1	8	962.7	119	60,471.5	7	885.2	176	44,546.1	438	2,690.8	151
0	0.0	1	28.0	18	3,017.2	0	0.0	94	20,805.4	255	1,889.1	152
0	0.0	0	0.0	3	542.0	0	0.0	32	4,032.7	47	376.0	153
0	0.0	5	354.0	12	834.5	0	0.0	32	4,164.4	123	609.0	154
0	0.0	6	589.1	12	804.7	6	905.0	19	7,578.6	196	3,361.3	155
2	3,000.0	8	2,407.0	133	91,140.9	6	1,325.5	263	92,394.0	836	3,858.8	156
2	2,506.5	8	1,177.0	69	43,859.8	7	790.3	242	50,000.5	1,216	17,187.8	157
0	0.0	0	0.0	9	1,184.0	0	0.0	8	3,016.0	36	825.0	158
9	8,809.8	137	10,532.4	913	856,979.9	103	14,243.9	1,714	420,620.8	6,666	76,377.9	159

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Housing Units Authorized in Virginia's Counties and Cities:

1st and 2nd Quarters, 1987

Michael A. Spar

Julia H. Martin

Center for Public Service

University of Virginia

February 1988

FOREWORD

The Center for Public Service is pleased to present the latest report in its series, *Housing Units Authorized in Virginia's Counties and Cities.*

Produced at the Center's Demographics Section, this series began in 1970 as an annual report. In 1976 the series was made quarterly. Reports in the series now appear three times a year, with two issues covering quarterly activity and an annual summary. In addition to data for counties and independent cities, *Housing Units Authorized* gives totals for each of the state's twenty-two planning districts.

The Demographics Section wishes to thank the following individuals for their assistance in collecting the permit data presented in this report: Glen Skinner, LENOWISCO Planning District Commission; Sally Morgan, Mount Rogers Planning District Commission; Helen Smithers, FIFTH Planning District Commission; William Vaughn, Central Shenandoah Planning District Commission; Gordon Jones, Rappahannock-Rapidan Planning District Commission; Mathew Montavon, Central Virginia Planning District Commission; Robert Dowd, West Piedmont Planning District Commission; Gail Moody, Southside Planning District Commission; Jeff Huber, Northern Neck Planning District Commission; Joe Vinsh, Crater Planning District Commission; Claudia Benjamin Gooch, Southeastern Virginia Planning District Commission; C. Earl Hillard, Page County Building Official; Neville H. Derflinger, Jr., Warren County Building Official.

We hope readers will find this report to be a useful source of information on building activity in the state, and we will be pleased to answer questions about the data.

James A. (Dolph) Norton
Director, Center for Public Service
University of Virginia

Charlottesville
February 1988

HOUSING UNITS AUTHORIZED IN VIRGINIA'S COUNTIES AND CITIES: 1ST AND 2ND QUARTERS, 1987

INTRODUCTION

Building activity is one of the most frequently used indicators of economic and demographic change. At present, the number of housing units authorized by local building permits is the best measure of housing starts available. The information contained in this report is supplied by local building officials to the Construction Division of the U.S. Bureau of the Census. The Bureau, in turn, forwards the data to the Center for Public Service where they are tabulated and compiled.

In this release the number of residential building permits issued for housing units in Virginia counties, cities, and planning districts for January–March 1987 is detailed in Table 3 and for April–June in Table 4. The data in this series include the number of permits issued by structure type, the aggregate value of these permits, the number and cost of mobile home permits, and the number of demolitions recorded in each locality.

Readers should note that we are continuing the policy of not publishing data imputed by the Census Bureau. Localities that did not file the appropriate number of monthly reports are identified by footnotes in both tables. Also, some jurisdictions make annual rather than monthly reports. These localities are also noted in both tables. In January 1987 the Census Bureau stopped collecting information on mobile homes, which explains why most localities appear to have issued no mobile home permits. The Center for Public Service continues to collect mobile home data for some localities, but readers are warned that these data are suspect, since it has recently come to our attention that many localities do not distinguish between mobile homes that are relocating within the locality, and new mobile homes.

This report analyzes and integrates current housing authorization reports, including data presented in previous editions covering the period from 1970 to the present. It is hoped that the analysis presented here will be useful to the reader both to give some idea of the trends in building activity since 1970, and also to acquaint the user with the nature of the data and of its possible interpretations.

The reader should bear in mind that the cost figures reported here are estimated construction costs submitted by the builders. They are not reported cost-at-completion of the units, nor do they include land cost or profit margin for the builder. In addition, the Census Bureau estimates that, nationwide, underestimation of costs runs from about 17.5 percent for single units, to about 30 percent for 2 and 3-4 unit structures, to more than 50 percent for 5+ unit structures. Average cost per unit data, therefore, cannot be taken as an estimate of the price of housing to the consumer. Despite these limitations, construction costs constitute a large proportion of the total market cost of housing, and thus the reported figures provide an important means of comparison among localities and for one area over time. Data on the number of permits issued are considerably more reliable than the data for costs. The Census Bureau considers their estimates of housing authorizations in Virginia to be accurate to within plus or minus 1 percent.

MAJOR FINDINGS

- The population of Virginia increased 10.4 percent between April 1, 1980 and July 1, 1987, from 5,346,818 to 5,904,000.
- Between April 1, 1980 and June 30, 1987, permits for 434,872 housing units (including mobile homes) were issued. This represents an increase of 21.5 percent over the 2,020,941 units counted in the 1980 decennial census. See Figures 1 and 3.
- Since 1970 the cost of constructing a single family dwelling has increased by 313 percent, from $16,050 to $66,273. Since the first quarter of 1980 construction costs have increased by 79.6 percent. See Figures 2 and 4.
- As shown in Table 1 the value of housing constructed in the Commonwealth during 1986 was about $3.8 billion, an increase of 24.9 percent compared to 1985. In constant dollars the increase was 22.3 percent.
- As shown in Table 2 the value of nonresidential construction in the Commonwealth during 1986 was about $1.86 billion, an increase of 30.1 percent compared to 1985. In constant dollars the increase was 28 percent.

Figure 1. Number of Permits Issued: 1970–1986

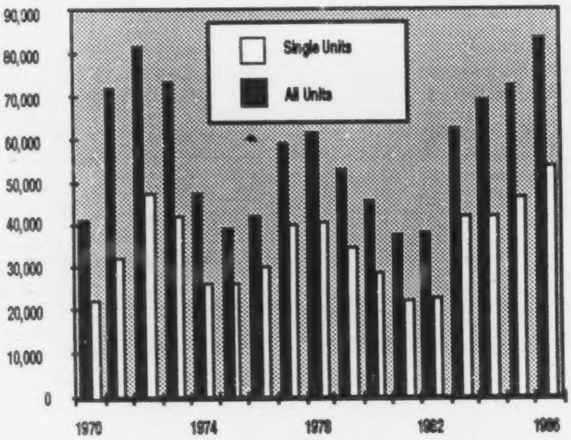

Figure 3. Number of Permits Issued: 1976:1–1987:2

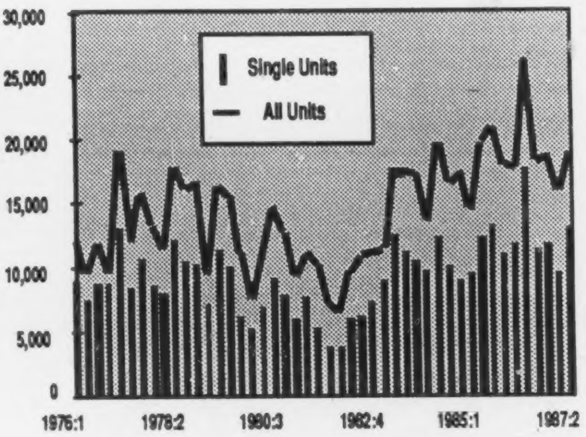

Figure 2. Average Value of Permits Per Unit: 1970–1986

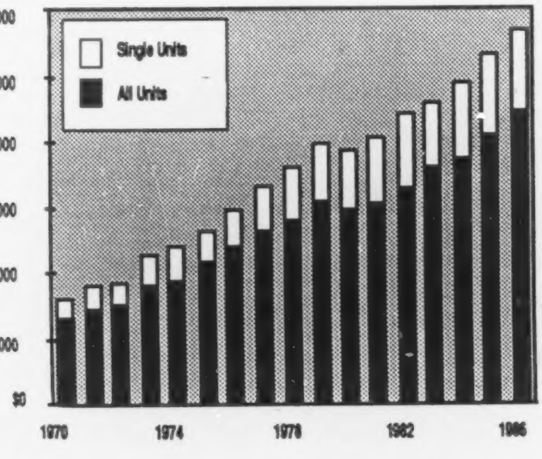

Figure 4. Average Value of Permits Per Unit: 1976:1–1987:2

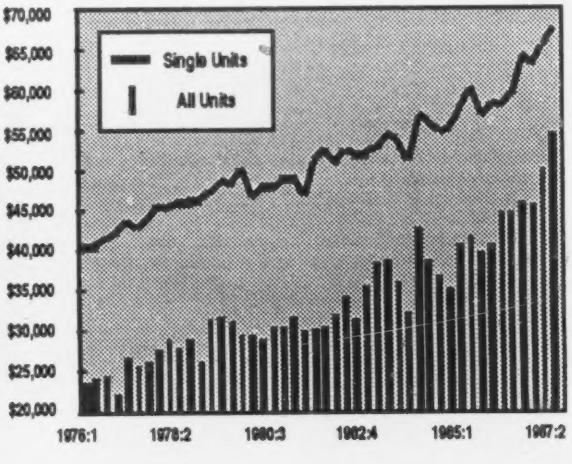

Table 1.
Aggregate Residential Construction Costs, Virginia: 1970–1986

Year	Value of Construction in Current Dollars (in Millions $)	Census Bureau Construction Cost Index	Deflated Value of Construction in Constant 1982 Dollars
1970	544.7	35.7	1,525.8
1971	1,023.0	37.7	2,713.5
1972	1,237.2	40.1	3,085.3
1973	1,332.9	43.9	3,036.2
1974	879.7	48.4	1,817.6
1975	838.9	52.8	1,588.8
1976	1,003.8	56.6	1,773.5
1977	1,564.5	63.2	2,475.5
1978	1,703.2	72.3	2,355.7
1979	1,617.3	81.7	1,979.6
1980	1,357.3	90.6	1,498.1
1981	1,134.8	97.7	1,161.5
1982	1,260.3	100.0	1,260.3
1983	2,257.8	102.7	2,198.4
1984	2,601.8	106.3	2,447.6
1985	3,018.9	109.4	2,759.5
1986	3,770.9	111.7	3,375.9

Census Bureau Construction Cost Index from Construction Review, table E–1, volume 32,number 2, March/April 1987.
Deflated value = current value x (100 / index value).

Table 2.
Aggregate Nonresidential Construction Costs, Virginia: 1980–1986

Year	Value of Construction in Current Dollars (in Millions $)	Boeckh Index for Commercial Buildings	Deflated Value of Construction in Constant 1982 Dollars
1980	664.9	84.1	790.6
1981	781.6	92.2	847.7
1982	790.4	100.0	790.4
1983	1,013.6	105.3	962.6
1984	1,242.8	109.4	1,136.0
1985	1,425.5	111.3	1,280.8
1986	1,855.1	113.2	1,638.8

Boeckh Index from Copnstruction Review, table E–1, volume 32, number 2, March/April 1987.
Deflated value = current value x (100 / index value).

FIRST QUARTER TRENDS

During the first quarter of 1987 15,656 housing units were authorized for construction in Virginia. This level of building activity represents a 25 percent increase over the previous five first quarters (from 1982 to 1986) when an average of 12,500 permits were issued each quarter. Despite this above average performance, permit activity during 1987:1 was down by nearly 11 percent compared to the same period a year ago, and is also down (by 15 percent) from the previous quarter. The value of permits issued during 1987:1 was $781.4 million, compared to $780.8 million during 1986:1. A total of 9,499 single family housing unit permits were issued in the first quarter, an increase of nearly 10 percent over the five year average of 8,650 units per quarter. Compared to the same quarter a year ago, however, 18.5 percent fewer permits were issued, and compared to the last quarter (1986:4), 18.3 percent fewer permits were issued.

Building trends in Virginia usually mirror national trends, and this was clearly the case for all units, but not single family units. Total units issued, for example, declined 15 percent in Virginia, and 9 percent in the U.S. between 1986:4 and 1987:1. Comparing 1986:1 and 1987:1, there was an 11 percent reduction statewide, and a 7.5 percent reduction nationally. For single family units, however, Virginia and the U.S. moved in opposite directions during the quarter. For the U.S., 1987:1 marked a slight increase over 1986:4 (about 1 percent), and an 8 percent increase compared to 1986:1. In Virginia the number of single family unit permits fell 18.3 percent since the last quarter, and declined by 18.5 percent over the same quarter a year ago.

Construction costs, which had only increased slowly from quarter to quarter during 1986 (up 2.3 percent from the first through the fourth quarter) rose sharply from 1986:4 to 1987:1. For all units the increase was 9.5 percent, while for single family units the increase was 5.5 percent.

A significant proportion of all building permits issued in the Commonwealth were concentrated in three areas of the state—Northern Virginia, Richmond, and the Tidewater. Permits for 5,344 units, 34.1 percent of the state total, were issued in the Northern Virginia Planning District (PD). The Richmond Regional PD issued 1,912 permits, equal to 12.2 percent of the state total. In the Tidewater area Southeastern Virginia PD accounted for 2,309 permits, or 14.7 percent of the state total. The Peninsula PD issued 1,427 permits, for 9.1 percent of the state total. Together these three areas accounted for 70 percent of all permits issued statewide, and for 71 percent of the total value of all permits issued.

SECOND QUARTER TRENDS

During the second quarter 18,715 housing units were authorized for construction in Virginia. This level of building activity represents only a 2 percent increase over the previous five second quarters when an average of 18,350 permits were issued in each quarter. Building activity during 1987:2 was substantially less than during the same quarter a year ago (down by 28.3 percent), although it was higher than the previous quarter (up by 19.5 percent). The value of permits issued during 1987:2 was $1,019.5 million, compared to $1,162.0 million during 1986:2, a decrease of 12.3 percent. A total of 12,945 single family housing unit permits were issued in the second quarter, an increase of 7.4 percent over the five year average of 12,050 units per quarter. Compared to the same quarter a year ago, 1987:2 represents a decrease of 26 percent in the number of single family unit permits issued. There was, however, an increase in the number of single family unit permits issued between 1987:1 and 1987:2, up 36 percent.

Building activity in Virginia during the second quarter closely paralleled the national pattern. Between 1987:1 and 1987:2 the number of single family unit permits increased 36 percent in Virginia and 34 percent in the U.S., while the total number of permits issued increased 19.5 percent in the state, and 28 percent in the nation. Comparing 1986:2 and 1987:2, the number of single family unit permits issued declined 6 percent in the U.S. and 26 percent in Virginia, while the total number of permits issued declined 14 percent in the U.S. and 28 percent in Virginia.

Per unit construction costs had increased sharply for both single family units and all unit types during the first quarter. In the second quarter per unit construction costs continued to increase rapidly from their first quarter levels. For all unit types combined the increase was 9.2 percent, from $49,909 during the first quarter to $54,477 during the second. For single family units the increase was less, 4.8 percent.

As was true in the first quarter, building permit activity was heavily concentrated in three areas of the state—Northern Virginia, Richmond, and the Tidewater. The Northern Virginia PD issued 6,529 permits during the second quarter, equal to 35 percent of the state total. The Richmond Regional PD issued 2,948 permits, for 16 percent of the state total. In the Tidewater region the Southeastern Virginia and Peninsula PDs issued 2,609 and 1,177 permits, respectively, equal to 14 and 6 percent of the total number of permits issued. These four planning districts accounted for about 71 percent of total building activity in the Commonwealth.

Table 3.
Housing Units Authorized in Virginia Localities, 1st Quarter, 1987

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack	53	2,672.9	0	0.0	53	2,672.9	41	2,245.8
2	Albemarle	118	10,558.3	0	0.0	118	10,558.3	114	10,263.3
3	Alleghany	18	447.7	9	102.7	9	345.0	9	345.0
4	Amelia	Reports Annually							
5	Amherst (1)	18	1,183.7	0	0.0	18	1,183.7	18	1,183.7
6	Appomattox	22	673.5	15	164.6	7	508.9	7	508.9
7	Arlington	505	23,607.8	0	0.0	505	23,607.8	44	2,717.8
8	Augusta	95	5,914.3	0	0.0	95	5,914.3	95	5,914.3
9	Bath	2	86.0	0	0.0	2	86.0	2	86.0
10	Bedford	202	5,223.3	96	NA	106	5,223.3	102	5,103.3
11	Bland	14	237.2	10	108.0	4	129.2	4	129.2
12	Botetourt	24	1,578.5	0	0.0	24	1,578.5	24	1,578.5
13	Brunswick	42	791.5	33	365.5	9	426.0	9	426.0
14	Buchanan	6	165.0	0	0.0	6	165.0	6	165.0
15	Buckingham	Reports Annually							
16	Campbell	32	1,502.9	0	0.0	32	1,502.9	22	1,279.9
17	Caroline	33	1,842.5	0	0.0	33	1,842.5	33	1,842.5
18	Carroll	21	826.0	0	0.0	21	826.0	13	676.0
19	Charles City (2)	3	204.5	0	0.0	3	204.5	3	204.5
20	Charlotte	11	576.8	0	0.0	11	576.8	11	576.8
21	Chesterfield	765	41,412.4	0	0.0	765	41,412.4	765	41,412.4
22	Clarke	36	2,090.9	0	0.0	36	2,090.9	16	1,448.0
23	Craig	13	NA	7	NA	6	NA	6	NA
24	Culpeper	22	1,268.5	0	0.0	22	1,268.5	20	1,215.0
25	Cumberland	Reports Annually							
26	Dickenson	Reports Annually							
27	Dinwiddie	28	1,525.7	0	0.0	28	1,525.7	28	1,525.7
28	Essex	Reports Annually							
29	Fairfax	1,892	102,017.5	0	0.0	1,892	102,017.5	1,436	88,824.3
30	Fauquier	155	18,182.3	0	0.0	155	18,182.3	155	18,182.3
31	Floyd	15	303.0	9	NA	6	303.0	6	303.0
32	Fluvanna	40	2,486.3	1	NA	39	2,486.3	39	2,486.3
33	Franklin	75	4,162.7	0	0.0	75	4,162.7	75	4,162.7
34	Frederick	245	11,802.3	0	0.0	245	11,802.3	245	11,802.3
35	Giles	30	100.9	26	NA	4	100.9	4	100.9
36	Gloucester (1)	45	3,794.9	0	0.0	45	3,794.9	45	3,794.9
37	Goochland	33	2,604.2	0	0.0	33	2,604.2	33	2,604.2
38	Grayson	17	447.1	8	91.7	9	355.3	9	355.3
39	Greene	Reports Annually							
40	Greensville	19	486.8	15	220.5	4	266.3	4	266.3
41	Halifax	55	1,481.8	37	500.2	18	981.6	18	981.6
42	Hanover	244	14,160.6	0	0.0	244	14,160.6	244	14,160.6
43	Henrico	749	29,174.8	0	0.0	749	29,174.8	496	25,641.3
44	Henry	39	2,317.5	0	0.0	39	2,317.5	33	2,167.5
45	Highland	Reports Annually							
46	Isle of Wight	135	4,422.3	55	NA	80	4,422.3	80	4,422.3
47	James City	294	21,704.9	0	0.0	294	21,704.9	165	15,939.2
48	King and Queen	Reports Annually							

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
6	352.2	6	75.0	0	0.0	0	0	0	53	1
0	0.0	4	295.0	0	0.0	0	0	0	118	2
0	0.0	0	0.0	0	0.0	0	0	0	18	3
										4
0	0.0	0	0.0	0	0.0	1	0	1	17	5
0	0.0	0	0.0	0	0.0	0	0	0	22	6
0	0.0	0	0.0	461	20,890.0	1	0	1	504	7
0	0.0	0	0.0	0	0.0	1	0	1	94	8
0	0.0	0	0.0	0	0.0	0	0	0	2	9
0	0.0	4	120.0	0	0.0	0	0	0	202	10
0	0.0	0	0.0	0	0.0	0	0	0	14	11
0	0.0	0	0.0	0	0.0	0	0	0	24	12
0	0.0	0	0.0	0	0.0	0	0	0	42	13
0	0.0	0	0.0	0	0.0	0	0	0	6	14
										15
2	18.0	8	205.0	0	0.0	0	0	0	32	16
0	0.0	0	0.0	0	0.0	0	0	0	33	17
0	0.0	8	150.0	0	0.0	0	0	0	21	18
0	0.0	0	0.0	0	0.0	0	0	0	3	19
0	0.0	0	0.0	0	0.0	0	0	0	11	20
0	0.0	0	0.0	0	0.0	0	0	0	765	21
0	0.0	0	0.0	20	642.9	0	0	0	36	22
0	0.0	0	0.0	0	0.0	0	0	0	13	23
2	53.5	0	0.0	0	0.0	0	0	0	22	24
										25
										26
0	0.0	0	0.0	0	0.0	0	0	0	28	27
										28
0	0.0	8	291.1	448	12,902.0	0	0	0	1,892	29
0	0.0	0	0.0	0	0.0	0	0	0	155	30
0	0.0	0	0.0	0	0.0	0	0	0	15	31
0	0.0	0	0.0	0	0.0	0	0	0	40	32
0	0.0	0	0.0	0	0.0	0	0	0	75	33
0	0.0	0	0.0	0	0.0	0	0	0	245	34
0	0.0	0	0.0	0	0.0	0	0	0	30	35
0	0.0	0	0.0	0	0.0	0	0	0	45	36
0	0.0	0	0.0	0	0.0	0	0	0	33	37
0	0.0	0	0.0	0	0.0	0	0	0	17	38
										39
0	0.0	0	0.0	0	0.0	0	0	0	19	40
0	0.0	0	0.0	0	0.0	0	0	0	55	41
0	0.0	0	0.0	0	0.0	0	0	0	244	42
0	0.0	3	67.0	250	3,466.5	2	0	2	747	43
0	0.0	0	0.0	6	150.0	0	0	0	39	44
										45
0	0.0	0	0.0	0	0.0	0	0	0	135	46
0	0.0	129	5,765.7	0	0.0	5	0	5	289	47
										48

Table 3. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
49	King George	51	2,536.4	16	NA	35	2,536.4	31	2,392.2
50	King William	26	1,577.2	0	0.0	26	1,577.2	26	1,577.2
51	Lancaster	26	1,497.4	3	82.0	23	1,415.4	23	1,415.4
52	Lee	19	715.9	0	0.0	19	715.9	19	715.9
53	Loudoun	381	16,225.6	0	0.0	381	16,225.6	189	11,207.7
54	Louisa	48	2,331.3	0	0.0	48	2,331.3	48	2,331.3
55	Lunenburg	Reports Annually							
56	Madison	26	1,405.6	3	49.1	23	1,356.5	23	1,356.5
57	Mathews	Reports Annually							
58	Mecklenburg	21	1,202.9	0	0.0	21	1,202.9	21	1,202.9
59	Middlesex	Reports Annually							
60	Montgomery	385	14,408.8	0	0.0	385	14,408.8	134	8,535.8
61	Nelson	21	1,436.9	0	0.0	21	1,436.9	19	1,396.9
62	New Kent	45	2,784.0	0	0.0	45	2,784.0	45	2,784.0
63	Northampton	Reports Annually							
64	Northumberland	38	2,442.0	8	82.2	30	2,359.8	30	2,359.8
65	Nottoway	Reports Annually							
66	Orange	63	3,778.8	9	NA	54	3,778.8	54	3,778.8
67	Page	70	1,605.3	24	314.0	46	1,291.3	16	691.3
68	Patrick	38	753.9	26	254.4	12	499.5	12	499.5
69	Pittsylvania	61	2,866.3	0	0.0	61	2,866.3	61	2,866.3
70	Powhatan	32	1,681.4	0	0.0	32	1,681.4	32	1,681.4
71	Prince Edward	Reports Annually							
72	Prince George	44	2,268.6	0	0.0	44	2,268.6	44	2,268.6
73	Prince William	1,425	68,668.3	0	0.0	1,425	68,668.3	727	42,263.2
74	Pulaski	39	1,659.5	0	0.0	39	1,659.5	23	1,474.5
75	Rappahannock	22	2,382.0	0	0.0	22	2,382.0	22	2,382.0
76	Richmond	15	512.9	9	169.8	6	343.1	6	343.1
77	Roanoke	135	8,130.5	0	0.0	135	8,130.5	135	8,130.5
38	Rockbridge	Reports Annually							
79	Rockingham	189	6,971.1	0	0.0	189	6,971.1	86	5,111.1
80	Russell (1)	4	151.5	0	0.0	4	151.5	4	151.5
81	Scott	10	396.5	0	0.0	10	396.5	10	396.5
82	Shenandoah	74	2,927.1	0	0.0	74	2,927.1	62	2,697.1
83	Smyth	18	616.0	0	0.0	18	616.0	12	510.0
84	Southampton	41	1,438.3	25	418.5	16	1,019.8	16	1,019.8
85	Spotsylvania	322	21,888.9	0	0.0	322	21,888.9	282	21,263.9
86	Stafford	202	14,049.2	0	0.0	202	14,049.2	202	14,049.2
87	Surry	22	565.4	13	100.3	9	465.1	9	465.1
88	Sussex	31	637.1	19	228.9	12	408.2	6	308.2
89	Tazewell	19	822.0	0	0.0	19	822.0	19	822.0
90	Warren	57	3,053.1	2	16.0	55	3,037.1	55	3,037.1
91	Washington	58	2,347.8	0	0.0	58	2,347.8	48	2,124.4
92	Westmoreland	67	2,623.3	11	124.3	56	2,499.0	56	2,499.0
93	Wise (3)	13	473.3	0	0.0	13	473.3	13	473.3
94	Wythe	50	853.2	36	391.2	14	462.0	14	462.0
95	York	184	14,947.8	0	0.0	184	14,947.8	180	14,657.8

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	4	144.2	0	0.0	0	0	0	51	49
0	0.0	0	0.0	0	0.0	3	0	3	23	50
0	0.0	0	0.0	0	0.0	0	0	0	26	51
0	0.0	0	0.0	0	0.0	0	0	0	19	52
0	0.0	0	0.0	192	5,017.9	0	0	0	381	53
0	0.0	0	0.0	0	0.0	0	0	0	48	54
										55
0	0.0	0	0.0	0	0.0	0	0	0	26	56
										57
0	0.0	0	0.0	0	0.0	0	0	0	21	58
										59
10	350.0	0	0.0	241	5,523.0	0	0	0	385	60
2	40.0	0	0.0	0	0.0	0	0	0	21	61
0	0.0	0	0.0	0	0.0	0	0	0	45	62
										63
0	0.0	0	0.0	0	0.0	0	0	0	38	64
										65
0	0.0	0	0.0	0	0.0	0	0	0	63	66
0	0.0	0	0.0	30	600.0	0	0	0	70	67
0	0.0	0	0.0	0	0.0	0	0	0	38	68
0	0.0	0	0.0	0	0.0	0	0	0	61	69
0	0.0	0	0.0	0	0.0	0	0	0	32	70
										71
0	0.0	0	0.0	0	0.0	0	0	0	44	72
0	0.0	0	0.0	698	26,405.1	4	0	4	1,421	73
0	0.0	8	100.0	8	85.0	0	0	0	39	74
0	0.0	0	0.0	0	0.0	0	0	0	22	75
0	0.0	0	0.0	0	0.0	0	0	0	15	76
0	0.0	0	0.0	0	0.0	8	0	8	127	77
										78
0	0.0	3	60.0	100	1,800.0	0	0	0	189	79
0	0.0	0	0.0	0	0.0	0	0	0	4	80
0	0.0	0	0.0	0	0.0	0	0	0	10	81
0	0.0	4	100.0	8	130.0	1	0	1	73	82
0	0.0	0	0.0	6	106.0	1	0	1	17	83
0	0.0	0	0.0	0	0.0	0	0	0	41	84
0	0.0	0	0.0	40	625.0	1	0	1	321	85
0	0.0	0	0.0	0	0.0	0	0	0	202	86
0	0.0	0	0.0	0	0.0	2	0	2	20	87
6	100.0	0	0.0	0	0.0	2	0	2	29	88
0	0.0	0	0.0	0	0.0	0	0	0	19	89
0	0.0	0	0.0	0	0.0	0	0	0	57	90
2	40.0	8	183.4	0	0.0	0	0	0	58	91
0	0.0	0	0.0	0	0.0	0	0	0	67	92
0	0.0	0	0.0	0	0.0	0	0	0	13	93
0	0.0	0	0.0	0	0.0	1	0	1	49	94
0	0.0	4	290.0	0	0.0	2	0	2	182	95

Table 3. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria	761	31,685.9	0	0.0	761	31,685.9	23	1,132.9
97	Bedford	8	235.0	1	NA	7	235.0	1	45.0
98	Bristol	14	446.5	0	0.0	14	446.5	12	411.5
99	Buena Vista	0	0.0	0	0.0	0	0.0	0	0.0
100	Charlottesville	64	5,589.8	0	0.0	64	5,589.8	4	419.8
101	Chesapeake	639	43,318.1	0	0.0	639	43,318.1	501	39,226.2
102	Clifton Forge (1)	0	0.0	0	0.0	0	0.0	0	0.0
103	Colonial Heights	31	1,046.6	0	0.0	31	1,046.6	27	1,008.4
104	Covington	0	0.0	0	0.0	0	0.0	0	0.0
105	Danville	5	240.0	0	0.0	5	240.0	5	240.0
106	Emporia	1	16.9	1	16.9	0	0.0	0	0.0
107	Fairfax	52	1,638.0	0	0.0	52	1,638.0	0	0.0
108	Falls Church	0	0.0	0	0.0	0	0.0	0	0.0
109	Franklin	2	104.0	0	0.0	2	104.0	2	104.0
110	Fredericksburg	1	53.5	0	0.0	1	53.5	1	53.5
111	Galax	Reports Annually							
112	Hampton	265	12,816.1	0	0.0	265	12,816.1	209	11,323.3
113	Harrisonburg	120	4,161.1	0	0.0	120	4,161.1	26	1,470.8
114	Hopewell	8	309.5	0	0.0	8	309.5	6	249.5
115	Lexington	Reports Annually							
116	Lynchburg	157	6,151.5	0	0.0	157	6,151.5	26	1,632.5
117	Manassas	291	12,953.1	0	0.0	291	12,953.1	121	7,001.0
118	Manassas Park	37	1,114.4	0	0.0	37	1,114.4	37	1,114.4
119	Martinsville	16	331.0	0	0.0	16	331.0	2	96.0
120	Newport News	641	21,550.5	0	0.0	641	21,550.5	255	14,266.5
121	Norfolk	566	15,708.6	0	0.0	566	15,708.6	62	4,033.7
122	Norton	5	NA	5	NA	0	0.0	0	0.0
123	Petersburg	6	190.8	0	0.0	6	190.8	6	190.8
124	Poquoson	18	1,479.0	0	0.0	18	1,479.0	18	1,479.0
125	Portsmouth	53	3,059.8	0	0.0	53	3,059.8	51	3,016.8
126	Radford	138	3,581.4	1	17.4	137	3,564.0	0	0.0
127	Richmond	41	3,491.3	0	0.0	41	3,491.3	41	3,491.3
128	Roanoke	177	4,670.1	0	0.0	177	4,670.1	18	1,048.5
129	Salem	24	1,303.3	0	0.0	24	1,303.3	20	1,175.4
130	South Boston	3	283.4	0	0.0	3	283.4	3	283.4
131	Staunton	Reports Annually							
132	Suffolk	114	7,747.4	0	0.0	114	7,747.4	79	6,488.4
133	Virginia Beach	759	50,371.7	0	0.0	759	50,371.7	625	46,069.7
134	Waynesboro	5	NA	0	0.0	5	NA	1	NA
135	Williamsburg	25	2,237.2	0	0.0	25	2,237.2	10	1,387.2
136	Winchester	52	1,822.0	0	0.0	52	1,822.0	14	1,243.0
	PLANNING DISTRICTS								
137	LENOWISCO	47	1,585.7	5	NA	42	1,585.7	42	1,585.7
138	Cumberland Plateau	29	1,138.5	0	0.0	29	1,138.5	29	1,138.5

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	738	30,553.0	1	0	1	760	96
6	190.0	0	0.0	0	0.0	1	0	1	7	97
2	35.0	0	0.0	0	0.0	2	0	2	12	98
0	0.0	0	0.0	0	0.0	0	0	0	0	99
2	90.0	0	0.0	58	5,080.0	2	0	2	62	100
2	35.0	0	0.0	136	4,056.9	22	0	22	617	101
0	0.0	0	0.0	0	0.0	0	0	0	0	102
0	0.0	4	38.1	0	0.0	6	0	6	25	103
0	0.0	0	0.0	0	0.0	1	0	1	-1	104
0	0.0	0	0.0	0	0.0	2	0	2	3	105
0	0.0	0	0.0	0	0.0	2	0	2	-1	106
0	0.0	0	0.0	52	1,638.0	2	0	2	50	107
0	0.0	0	0.0	0	0.0	0	0	0	0	108
0	0.0	0	0.0	0	0.0	0	0	0	2	109
0	0.0	0	0.0	0	0.0	0	0	0	1	110
										111
0	0.0	0	0.0	56	1,492.8	10	0	10	255	112
6	202.0	8	171.2	80	2,317.0	1	0	1	119	113
2	60.0	0	0.0	0	0.0	1	0	1	7	114
										115
16	439.0	0	0.0	115	4,080.0	16	0	16	141	116
0	0.0	16	560.0	154	5,392.1	0	0	0	291	117
0	0.0	0	0.0	0	0.0	0	0	0	37	118
0	0.0	7	130.0	7	105.0	3	0	3	13	119
10	375.6	68	1,020.0	308	5,888.4	15	0	15	626	120
30	725.5	94	1,858.1	380	9,091.3	94	0	94	472	121
0	0.0	0	0.0	0	0.0	3	0	3	2	122
0	0.0	0	0.0	0	0.0	13	0	13	-7	123
0	0.0	0	0.0	0	0.0	2	0	2	16	124
2	43.0	0	0.0	0	0.0	6	0	6	47	125
0	0.0	17	514.0	120	3,050.0	2	0	2	136	126
0	0.0	0	0.0	0	0.0	8	0	8	33	127
2	45.0	7	68.0	150	3,508.6	19	0	19	158	128
4	127.9	0	0.0	0	0.0	2	0	2	22	129
0	0.0	0	0.0	0	0.0	0	0	0	3	130
										131
30	925.0	0	0.0	5	334.0	4	0	4	110	132
22	1,502.0	0	0.0	112	2,800.0	21	0	21	738	133
0	0.0	4	NA	0	0.0	1	0	1	4	134
0	0.0	15	850.0	0	0.0	3	0	3	22	135
2	55.0	0	0.0	36	524.0	3	0	3	49	136
0	0.0	0	0.0	0	0.0	3	0	3	44	137
0	0.0	0	0.0	0	0.0	0	0	0	29	138

Table 3. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	192	5,773.8	54	590.9	138	5,182.8	112	4,668.4
140	New River Valley	607	20,053.6	36	17.4	571	20,036.2	167	10,414.2
141	Fifth	391	16,130.1	16	102.7	375	16,027.4	212	12,277.9
142	Central Shenandoah	411	17,132.5	0	0.0	411	17,132.5	210	12,582.2
143	Lord Fairfax	534	23,300.7	26	330.0	508	22,970.7	408	20,918.8
144	Northern Virginia	5,344	257,910.6	0	0.0	5,344	257,910.6	2,577	154,261.3
145	Rappahannock-Rapidan	288	27,017.2	12	49.1	276	26,968.1	274	26,914.6
146	Thomas Jefferson	291	22,402.6	1	NA	290	22,402.6	224	16,897.6
147	Central Virginia	439	14,969.9	112	164.6	327	14,805.3	176	9,753.3
148	West Piedmont	234	10,671.4	26	254.4	208	10,417.0	188	10,032.0
149	Southside	121	3,759.6	70	865.7	51	2,893.9	51	2,893.9
150	Piedmont	11	576.8	0	0.0	11	576.8	11	576.8
151	Richmond Regional	1,912	95,513.2	0	0.0	1,912	95,513.2	1,659	91,979.7
152	RADCO	609	40,370.5	16	NA	593	40,370.5	549	39,601.3
153	Northern Neck	146	7,075.6	31	458.3	115	6,617.3	115	6,617.3
154	Middle Peninsula	71	5,372.1	0	0.0	71	5,372.1	71	5,372.1
155	Crater	190	7,047.4	48	566.6	142	6,480.8	130	6,282.6
156	Southeastern Virginia	2,309	126,170.2	80	418.5	2,229	125,751.7	1,416	104,380.9
157	Peninsula	1,427	74,735.5	0	0.0	1,427	74,735.5	837	59,053.0
158	Accomack-Northampton	53	2,672.9	0	0.0	53	2,672.9	41	2,245.8
159	Virginia	15,656	781,380.4	533	3,818.2	15,123	777,562.1	9,499	600,447.9

NA Data not available.
1 Reported two months.
2 Reported one month.
3 St. Paul Town did not report. The balance of Wise County reported three months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
4	75.0	16	333.4	6	106.0	4	0	4	188	139
10	350.0	25	614.0	369	8,658.0	2	0	2	605	140
6	172.9	7	68.0	150	3,508.6	30	0	30	361	141
6	202.0	15	231.2	180	4,117.0	3	0	3	408	142
2	55.0	4	100.0	94	1,896.9	4	0	4	530	143
0	0.0	24	851.1	2,743	102,798.1	8	0	8	5,336	144
2	53.5	0	0.0	0	0.0	0	0	0	288	145
4	130.0	4	295.0	58	5,080.0	2	0	2	289	146
24	647.0	12	325.0	115	4,080.0	18	0	18	421	147
0	0.0	7	130.0	13	255.0	5	0	5	229	148
0	0.0	0	0.0	0	0.0	0	0	0	121	149
0	0.0	0	0.0	0	0.0	0	0	0	11	150
0	0.0	3	67.0	250	3,466.5	10	0	10	1,902	151
0	0.0	4	144.2	40	625.0	1	0	1	608	152
0	0.0	0	0.0	0	0.0	0	0	0	146	153
0	0.0	0	0.0	0	0.0	3	0	3	68	154
8	160.0	4	38.1	0	0.0	26	0	26	164	155
86	3,230.5	94	1,858.1	633	16,282.2	147	0	147	2,162	156
10	375.6	216	7,925.7	364	7,381.2	37	0	37	1,390	157
6	352.2	6	75.0	0	0.0	0	0	0	53	158
168	5,803.7	441	13,055.8	5,015	158,254.5	303	0	303	15,353	159

Table 4.
Housing Units Authorized in Virginia Localities, 2nd Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack	62	3,208.0	0	0.0	62	3,208.0	60	3,008.0
2	Albemarle	188	18,716.2	0	0.0	188	18,716.2	173	18,086.0
3	Alleghany	36	738.1	23	260.1	13	478.0	13	478.0
4	Amelia	Reports Annually							
5	Amherst	61	3,735.4	0	0.0	61	3,735.4	61	3,735.4
6	Appomattox	50	1,446.1	37	509.9	13	936.2	13	936.2
7	Arlington	242	22,055.5	0	0.0	242	22,055.5	36	2,893.5
8	Augusta	146	9,813.1	0	0.0	146	9,813.1	146	9,813.1
9	Bath (1)	2	135.0	0	0.0	2	135.0	2	135.0
10	Bedford	320	10,405.2	143	NA	177	10,405.2	160	9,825.2
11	Bland	25	522.3	14	128.6	11	393.7	11	393.7
12	Botetourt	71	3,972.4	13	NA	58	3,972.4	58	3,972.4
13	Brunswick	63	1,119.4	52	532.9	11	586.5	11	586.5
14	Buchanan	18	393.2	0	0.0	18	393.2	18	393.2
15	Buckingham	Reports Annually							
16	Campbell	80	4,055.2	0	0.0	80	4,055.2	57	3,445.2
17	Caroline	54	2,843.9	0	0.0	54	2,843.9	54	2,843.9
18	Carroll	34	1,571.0	0	0.0	34	1,571.0	34	1,571.0
19	Charles City (2)	16	1,020.2	0	0.0	16	1,020.2	16	1,020.2
20	Charlotte (1)	23	1,333.2	0	0.0	23	1,333.2	11	683.2
21	Chesterfield	1,286	58,238.8	0	0.0	1,286	58,238.8	926	52,023.8
22	Clarke	35	3,778.2	0	0.0	35	3,778.2	35	3,778.2
23	Craig	21	NA	7	NA	14	NA	14	NA
24	Culpeper (1)	23	1,378.8	0	0.0	23	1,378.8	11	394.8
25	Cumberland	Reports Annually							
26	Dickenson	Reports Annually							
27	Dinwiddie	48	2,026.1	0	0.0	48	2,026.1	48	2,026.1
28	Essex	Reports Annually							
29	Fairfax	3,971	209,869.9	0	0.0	3,971	209,869.9	2,546	169,420.8
30	Fauquier (3)	0	0.0	0	0.0	0	0.0	0	0.0
31	Floyd	65	1,227.8	37	NA	28	1,227.8	28	1,227.8
32	Fluvanna	71	4,214.8	4	NA	67	4,214.8	67	4,214.8
33	Franklin	127	7,097.1	0	0.0	127	7,097.1	127	7,097.1
34	Frederick	163	9,839.1	0	0.0	163	9,839.1	163	9,839.1
35	Giles	58	1,162.5	34	NA	24	1,162.5	24	1,162.5
36	Gloucester (1)	149	10,833.1	0	0.0	149	10,833.1	144	10,648.1
37	Goochland	51	4,162.9	0	0.0	51	4,162.9	51	4,162.9
38	Grayson	69	1,877.0	37	386.4	32	1,490.6	32	1,490.6
39	Greene	Reports Annually							
40	Greensville	28	438.3	25	300.8	3	137.5	3	137.5
41	Halifax	102	2,180.2	86	1,257.7	16	922.5	16	922.5
42	Hanover	393	23,375.4	0	0.0	393	23,375.4	353	22,259.5
43	Henrico	560	27,620.8	0	0.0	560	27,620.8	489	25,844.9
44	Henry	64	3,224.4	0	0.0	64	3,224.4	56	3,064.5
45	Highland	Reports Annually							
46	Isle of Wight	167	4,433.3	78	NA	89	4,433.3	89	4,433.3
47	James City	306	26,452.2	0	0.0	306	26,452.2	230	25,250.9
48	King and Queen	Reports Annually							

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
2	200.0	0	0.0	0	0.0	0	0	0	62	1
2	90.0	4	160.0	9	380.2	0	0	0	188	2
0	0.0	0	0.0	0	0.0	2	0	2	34	3
										4
0	0.0	0	0.0	0	0.0	2	0	2	59	5
0	0.0	0	0.0	0	0.0	1	0	1	49	6
0	0.0	0	0.0	206	19,162.0	26	0	26	216	7
0	0.0	0	0.0	0	0.0	6	0	6	140	8
0	0.0	0	0.0	0	0.0	0	0	0	2	9
0	0.0	6	140.0	11	440.0	0	0	0	320	10
0	0.0	0	0.0	0	0.0	0	0	0	25	11
0	0.0	0	0.0	0	0.0	0	0	0	71	12
0	0.0	0	0.0	0	0.0	0	0	0	63	13
0	0.0	0	0.0	0	0.0	1	0	1	17	14
										15
2	50.0	3	60.0	18	500.0	2	0	2	78	16
0	0.0	0	0.0	0	0.0	0	0	0	54	17
0	0.0	0	0.0	0	0.0	0	0	0	34	18
0	0.0	0	0.0	0	0.0	0	0	0	16	19
0	0.0	12	650.0	0	0.0	0	0	0	23	20
0	0.0	0	0.0	360	6,215.0	2	0	2	1,284	21
0	0.0	0	0.0	0	0.0	0	0	0	35	22
0	0.0	0	0.0	0	0.0	0	0	0	21	23
12	984.0	0	0.0	0	0.0	0	0	0	23	24
										25
										26
0	0.0	0	0.0	0	0.0	1	0	1	47	27
										28
0	0.0	0	0.0	1,425	40,449.1	0	0	0	3,971	29
0	0.0	0	0.0	0	0.0	0	0	0	0	30
0	0.0	0	0.0	0	0.0	0	0	0	65	31
0	0.0	0	0.0	0	0.0	0	0	0	71	32
0	0.0	0	0.0	0	0.0	0	0	0	127	33
0	0.0	0	0.0	0	0.0	0	0	0	163	34
0	0.0	0	0.0	0	0.0	0	0	0	58	35
2	50.0	3	135.0	0	0.0	0	0	0	149	36
0	0.0	0	0.0	0	0.0	0	0	0	51	37
0	0.0	0	0.0	0	0.0	0	0	0	69	38
										39
0	0.0	0	0.0	0	0.0	0	0	0	28	40
0	0.0	0	0.0	0	0.0	0	0	0	102	41
0	0.0	0	0.0	40	1,115.9	0	0	0	393	42
0	0.0	0	0.0	71	1,776.0	5	0	5	555	43
2	60.0	0	0.0	6	100.0	0	0	0	64	44
										45
0	0.0	0	0.0	0	0.0	2	0	2	165	46
16	454.0	49	152.3	11	595.0	3	0	3	303	47
										48

Table 4. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
49	King George	59	2,307.6	15	NA	44	2,307.6	31	2,174.0
50	King William	34	2,007.6	0	0.0	34	2,007.6	34	2,007.6
51	Lancaster	54	3,244.3	10	241.8	44	3,002.5	40	2,857.5
52	Lee	24	1,055.9	0	0.0	24	1,055.9	24	1,055.9
53	Loudoun	652	30,776.5	0	0.0	652	30,776.5	358	22,574.8
54	Louisa (3)	0	0.0	0	0.0	0	0.0	0	0.0
55	Lunenburg	Reports Annually							
56	Madison	34	1,855.9	4	43.8	30	1,812.1	30	1,812.1
57	Mathews	Reports Annually							
58	Mecklenburg	34	1,881.7	0	0.0	34	1,881.7	34	1,881.7
59	Middlesex	Reports Annually							
60	Montgomery	69	4,674.8	0	0.0	69	4,674.8	69	4,674.8
61	Nelson	96	6,966.0	0	0.0	96	6,966.0	96	6,966.0
62	New Kent	72	4,178.0	0	0.0	72	4,178.0	72	4,178.0
63	Northampton	Reports Annually							
64	Northumberland	62	3,770.6	7	87.5	55	3,683.2	55	3,683.2
65	Nottoway	Reports Annually							
66	Orange	106	5,252.3	27	NA	79	5,252.3	79	5,252.3
67	Page	84	2,676.5	32	337.5	52	2,339.0	52	2,339.0
68	Patrick	88	1,759.6	61	599.6	27	1,160.0	27	1,160.0
69	Pittsylvania	94	5,074.7	0	0.0	94	5,074.7	90	5,014.7
70	Powhatan (1)	41	2,096.5	0	0.0	41	2,096.5	41	2,096.5
71	Prince Edward	Reports Annually							
72	Prince George	59	3,487.0	0	0.0	59	3,487.0	59	3,487.0
73	Prince William	1,292	66,862.4	0	0.0	1,292	66,862.4	853	54,702.5
74	Pulaski	40	1,826.9	0	0.0	40	1,826.9	34	1,651.9
75	Rappahannock	27	4,650.0	0	0.0	27	4,650.0	27	4,650.0
76	Richmond	22	924.8	8	93.1	14	831.7	14	831.7
77	Roanoke	179	9,765.6	0	0.0	179	9,765.6	173	9,642.9
38	Rockbridge	Reports Annually							
79	Rockingham (1)	97	5,040.5	0	0.0	97	5,040.5	65	4,245.5
80	Russell (2)	15	658.0	0	0.0	15	658.0	15	658.0
81	Scott	26	935.0	0	0.0	26	935.0	26	935.0
82	Shenandoah	114	6,405.3	0	0.0	114	6,405.3	96	5,592.3
83	Smyth	29	1,018.0	0	0.0	29	1,018.0	29	1,018.0
84	Southampton	41	1,662.2	23	384.8	18	1,277.4	18	1,277.4
85	Spotsylvania	570	41,296.2	0	0.0	570	41,296.2	480	38,718.2
86	Stafford	307	25,799.2	0	0.0	307	25,799.2	307	25,799.2
87	Surry	34	1,031.3	20	211.9	14	819.4	14	819.4
88	Sussex	37	625.6	30	433.6	7	192.0	3	152.0
89	Tazewell (1)	18	1,065.6	0	0.0	18	1,065.6	18	1,065.6
90	Warren (3)	0	0.0	0	0.0	0	0.0	0	0.0
91	Washington	98	5,238.6	0	0.0	98	5,238.6	98	5,238.6
92	Westmoreland	44	2,392.8	19	253.7	25	2,139.1	25	2,139.1
93	Wise (4)	42	1,400.3	2	60.0	40	1,340.3	40	1,340.3
94	Wythe	112	1,708.8	65	771.1	47	937.7	31	897.7
95	York	175	14,369.1	0	0.0	175	14,369.1	159	14,020.2

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	8	0.0	5	133.6	1	0	1	58	49
0	0.0	0	0.0	0	0.0	6	0	6	28	50
4	145.0	0	0.0	0	0.0	0	0	0	54	51
0	0.0	0	0.0	0	0.0	0	0	0	24	52
0	0.0	0	0.0	294	8,201.7	0	0	0	652	53
0	0.0	0	0.0	0	0.0	0	0	0	0	54
										55
0	0.0	0	0.0	0	0.0	0	0	0	34	56
										57
0	0.0	0	0.0	0	0.0	0	0	0	34	58
										59
0	0.0	0	0.0	0	0.0	10	0	10	59	60
0	0.0	0	0.0	0	0.0	2	0	2	94	61
0	0.0	0	0.0	0	0.0	0	0	0	72	62
										63
0	0.0	0	0.0	0	0.0	0	0	0	62	64
										65
0	0.0	0	0.0	0	0.0	0	0	0	106	66
0	0.0	0	0.0	0	0.0	0	0	0	84	67
0	0.0	0	0.0	0	0.0	0	0	0	88	68
0	0.0	4	60.0	0	0.0	0	0	0	94	69
0	0.0	0	0.0	0	0.0	0	0	0	41	70
										71
0	0.0	0	0.0	0	0.0	2	0	2	57	72
0	0.0	0	0.0	439	12,160.0	4	0	4	1,288	73
2	50.0	4	125.0	0	0.0	0	0	0	40	74
0	0.0	0	0.0	0	0.0	0	0	0	27	75
0	0.0	0	0.0	0	0.0	0	0	0	22	76
2	44.6	4	78.1	0	0.0	6	0	6	173	77
										78
12	538.0	0	0.0	20	257.0	0	0	0	97	79
0	0.0	0	0.0	0	0.0	0	0	0	15	80
0	0.0	0	0.0	0	0.0	0	0	0	26	81
0	0.0	0	0.0	18	813.0	2	0	2	112	82
0	0.0	0	0.0	0	0.0	0	0	0	29	83
0	0.0	0	0.0	0	0.0	0	0	0	41	84
0	0.0	0	0.0	90	2,577.9	5	0	5	565	85
0	0.0	0	0.0	0	0.0	0	0	0	307	86
0	0.0	0	0.0	0	0.0	2	0	2	32	87
4	40.0	0	0.0	0	0.0	1	0	1	36	88
0	0.0	0	0.0	0	0.0	0	0	0	18	89
0	0.0	0	0.0	0	0.0	0	0	0	0	90
0	0.0	0	0.0	0	0.0	0	0	0	98	91
0	0.0	0	0.0	0	0.0	0	0	0	44	92
0	0.0	0	0.0	0	0.0	0	0	0	42	93
0	0.0	4	40.0	12	NA	0	0	0	112	94
0	0.0	4	126.0	12	222.9	9	0	9	166	95

Table 4. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES								
96	Alexandria (1)	26	2,721.3	0	0.0	26	2,721.3	26	2,721.3
97	Bedford	13	360.5	5	NA	8	360.5	8	360.5
98	Bristol	15	515.8	0	0.0	15	515.8	15	515.8
99	Buena Vista	1	20.0	0	0.0	1	20.0	1	20.0
100	Charlottesville	34	1,626.5	0	0.0	34	1,626.5	7	518.5
101	Chesapeake	931	60,641.2	0	0.0	931	60,641.2	653	51,692.0
102	Clifton Forge (1)	0	0.0	0	0.0	0	0.0	0	0.0
103	Colonial Heights	13	602.6	0	0.0	13	602.6	13	602.6
104	Covington	6	215.0	0	0.0	6	215.0	4	135.0
105	Danville	9	745.0	0	0.0	9	745.0	9	745.0
106	Emporia	6	306.6	1	19.8	5	286.8	5	286.8
107	Fairfax	28	882.0	0	0.0	28	882.0	0	0.0
108	Falls Church	2	614.0	0	0.0	2	614.0	2	614.0
109	Franklin	42	1,239.8	0	0.0	42	1,239.8	8	579.8
110	Fredericksburg	0	0.0	0	0.0	0	0.0	0	0.0
111	Galax	Reports Annually							
112	Hampton	254	12,785.6	0	0.0	254	12,785.6	246	12,610.0
113	Harrisonburg	111	4,237.5	0	0.0	111	4,237.5	37	2,247.2
114	Hopewell	16	412.0	0	0.0	16	412.0	16	412.0
115	Lexington	Reports Annually							
116	Lynchburg	42	2,803.9	0	0.0	42	2,803.9	24	2,235.9
117	Manassas	298	14,129.0	0	0.0	298	14,129.0	144	9,865.3
118	Manassas Park	18	586.5	0	0.0	18	586.5	18	586.5
119	Martinsville	15	524.0	0	0.0	15	524.0	5	226.0
120	Newport News	412	19,730.2	0	0.0	412	19,730.2	343	17,603.7
121	Norfolk	282	9,976.1	0	0.0	282	9,976.1	90	5,694.3
122	Norton	2	NA	2	NA	0	0.0	0	0.0
123	Petersburg	12	268.0	0	0.0	12	268.0	8	225.0
124	Poquoson	18	1,592.6	0	0.0	18	1,592.6	18	1,592.6
125	Portsmouth	198	16,409.3	0	0.0	198	16,409.3	92	4,845.3
126	Radford	48	1,636.3	3	30.9	45	1,605.4	27	1,155.4
127	Richmond	529	16,663.5	0	0.0	529	16,663.5	30	2,329.9
128	Roanoke	61	2,081.9	0	0.0	61	2,081.9	27	1,402.9
129	Salem	25	1,654.9	0	0.0	25	1,654.9	23	1,600.9
130	South Boston	3	212.6	0	0.0	3	212.6	3	212.6
131	Staunton	Reports Annually							
132	Suffolk	150	9,977.6	0	0.0	150	9,977.6	101	8,612.4
133	Virginia Beach	798	60,712.9	0	0.0	798	60,712.9	784	59,602.9
134	Waynesboro	16	NA	1	NA	15	NA	11	NA
135	Williamsburg	12	1,208.0	0	0.0	12	1,208.0	7	1,072.9
136	Winchester	40	3,188.0	0	0.0	40	3,188.0	38	3,153.0
	PLANNING DISTRICTS								
137	LENOWISCO	94	3,391.2	4	60.0	90	3,331.2	90	3,331.2
138	Cumberland Plateau	51	2,116.8	0	0.0	51	2,116.8	51	2,116.8

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	26	96
0	0.0	0	0.0	0	0.0	4	0	4	9	97
0	0.0	0	0.0	0	0.0	1	0	1	14	98
0	0.0	0	0.0	0	0.0	0	0	0	1	99
14	498.0	4	210.0	9	400.0	4	0	4	30	100
16	459.4	0	0.0	262	8,489.9	19	0	19	912	101
0	0.0	0	0.0	0	0.0	0	0	0	0	102
0	0.0	0	0.0	0	0.0	0	0	0	13	103
2	80.0	0	0.0	0	0.0	3	0	3	3	104
0	0.0	0	0.0	0	0.0	12	0	12	-3	105
0	0.0	0	0.0	0	0.0	1	0	1	5	106
0	0.0	0	0.0	28	882.0	0	0	0	28	107
0	0.0	0	0.0	0	0.0	0	0	0	2	108
2	40.0	0	0.0	32	620.0	0	0	0	42	109
0	0.0	0	0.0	0	0.0	1	0	1	-1	110
										111
0	0.0	0	0.0	8	175.6	5	0	5	249	112
0	0.0	12	326.1	62	1,664.2	2	0	2	109	113
0	0.0	0	0.0	0	0.0	8	0	8	8	114
										115
18	568.0	0	0.0	0	0.0	16	0	16	26	116
0	0.0	0	0.0	154	4,263.7	0	0	0	298	117
0	0.0	0	0.0	0	0.0	0	0	0	18	118
2	90.0	8	208.0	0	0.0	3	0	3	12	119
28	961.3	0	0.0	41	1,165.2	23	0	23	389	120
40	846.9	58	1,053.0	94	2,382.0	108	0	108	174	121
0	0.0	0	0.0	0	0.0	0	0	0	2	122
4	43.0	0	0.0	0	0.0	11	0	11	1	123
0	0.0	0	0.0	0	0.0	0	0	0	18	124
2	45.0	32	720.0	72	10,799.0	17	0	17	181	125
0	0.0	0	0.0	18	450.0	3	0	3	45	126
0	0.0	0	0.0	499	14,333.6	22	0	22	507	127
20	367.0	8	162.0	6	150.0	19	0	19	42	128
2	54.0	0	0.0	0	0.0	2	0	2	23	129
0	0.0	0	0.0	0	0.0	0	0	0	3	130
										131
10	272.2	0	0.0	39	1,093.0	23	0	23	127	132
14	1,110.0	0	0.0	0	0.0	22	0	22	776	133
0	0.0	4	NA	0	0.0	1	0	1	15	134
0	0.0	0	0.0	5	135.0	0	0	0	12	135
2	35.0	0	0.0	0	0.0	9	0	9	31	136
0	0.0	0	0.0	0	0.0	0	0	0	94	137
0	0.0	0	0.0	0	0.0	1	0	1	50	138

Table 4. CONTINUED

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
139	Mount Rogers	382	12,451.5	116	1,286.1	266	11,165.4	250	11,125.4
140	New River Valley	280	10,528.3	74	30.9	206	10,497.4	182	9,872.4
141	Fifth	399	18,427.9	43	260.1	356	18,167.8	312	17,232.1
142	Central Shenandoah	373	19,246.1	1	NA	372	19,246.1	262	16,460.8
143	Lord Fairfax	436	25,887.1	32	337.5	404	25,549.6	384	24,701.6
144	Northern Virginia	6,529	348,497.1	0	0.0	6,529	348,497.1	3,983	263,378.7
145	Rappahannock-Rapidan	190	13,137.0	31	43.8	159	13,093.2	147	12,109.2
146	Thomas Jefferson	389	31,523.5	4	NA	385	31,523.5	343	29,785.3
147	Central Virginia	566	22,806.3	185	509.9	381	22,296.4	323	20,538.4
148	West Piedmont	397	18,424.8	61	599.6	336	17,825.2	314	17,307.3
149	Southside	202	5,393.9	138	1,790.6	64	3,603.3	64	3,603.3
150	Piedmont	23	1,333.2	0	0.0	23	1,333.2	11	683.2
151	Richmond Regional	2,948	137,356.1	0	0.0	2,948	137,356.1	1,978	113,915.7
152	RADCO	990	72,246.9	15	NA	975	72,246.9	872	69,535.3
153	Northern Neck	182	10,332.5	44	676.1	138	9,656.5	134	9,511.5
154	Middle Peninsula	183	12,840.7	0	0.0	183	12,840.7	178	12,655.7
155	Crater	253	9,197.5	76	966.1	177	8,231.4	169	8,148.4
156	Southeastern Virginia	2,609	165,052.4	101	384.8	2,508	164,667.6	1,835	136,737.4
157	Peninsula	1,177	76,137.7	0	0.0	1,177	76,137.7	1,003	72,150.3
158	Accomack-Northampton	62	3,208.0	0	0.0	62	3,208.0	60	3,008.0
159	Virginia	18,715	1,019,536.4	925	6,945.5	17,790	1,012,590.9	12,945	857,908.1

NA	Data not available
1	Reported five months.
2	Reported four months.
3	Reported three months.
4	St. Paul Town did not report. The balance of Wise County reported six months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	4	40.0	12	NA	1	0	1	381	139
2	50.0	4	125.0	18	450.0	13	0	13	267	140
26	545.6	12	240.1	6	150.0	32	0	32	367	141
12	538.0	16	326.1	82	1,921.2	9	0	9	364	142
2	35.0	0	0.0	18	813.0	11	0	11	425	143
0	0.0	0	0.0	2,546	85,118.5	30	0	30	6,499	144
12	984.0	0	0.0	0	0.0	0	0	0	190	145
16	588.0	8	370.0	18	780.2	6	0	6	383	146
20	618.0	9	200.0	29	940.0	25	0	25	541	147
4	150.0	12	268.0	6	100.0	15	0	15	382	148
0	0.0	0	0.0	0	0.0	0	0	0	202	149
0	0.0	12	650.0	0	0.0	0	0	0	23	150
0	0.0	0	0.0	970	23,440.5	29	0	29	2,919	151
0	0.0	8	NA	95	2,711.5	7	0	7	983	152
4	145.0	0	0.0	0	0.0	0	0	0	182	153
2	50.0	3	135.0	0	0.0	6	0	6	177	154
8	83.0	0	0.0	0	0.0	26	0	26	227	155
84	2,773.5	90	1,773.0	499	23,383.9	191	0	191	2,418	156
44	1,415.3	53	278.3	77	2,293.7	40	0	40	1,137	157
2	200.0	0	0.0	0	0.0	0	0	0	62	158
238	8,175.4	231	4,405.5	4,376	142,102.5	442	0	442	18,273	159

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Housing Units Authorized in Virginia's Counties and Cities:

3rd and 4th Quarters, 1987

Michael A. Spar

Julia H. Martin

Center for Public Service

University of Virginia

July 1988

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FOREWORD

The Center for Public Service is pleased to present the latest report in its series, *Housing Units Authorized in Virginia's Counties and Cities.*

Produced by the Center's Demographic Section, this series began in 1970 as an annual report. In 1976 the series was made quarterly. Reports in the series now appear three times a year, with two issues covering quarterly activity and an annual summary. In addition to data for counties and independent cities, *Housing Units Authorized* presents totals for each of the state's twenty-two planning districts.

The Demographic Section wishes to thank the following individuals for their assistance in collecting the permit data presented in this report: Glen Skinner, LENOWISCO Planning District Commission; Sally Morgan, Mount Rogers Planning District Commission; Helen Smithers, Fifth Planning District Commission; William Vaughn, Central Shenandoah Planning District Commission; Gordon Jones, Rappahannock-Rapidan Planning District Commission; Mathew Montavon, Central Virginia Planning District Commission; Robert Dowd, West Piedmont Planning District Commission; Gail Moody, Southside Planning District Commission; Jeff Huber, Northern Neck Planning District Commission; Joe Vinsh, Crater Planning District Commission; Claudia Benjamin Gooch, Southeastern Virginia Planning District Commission; C. Earl Hillard, Page County Building Official; Neville H. Derflinger, Jr., Warren County Building Official.

Several staff members at the Center for Public Service assisted the authors in preparing this study. George E. Barnes and Sandra H. Wiley edited the report. Barry A. Jackson designed the layout.

We hope readers will find this report to be a useful source of information on building activity in the state, and we will be pleased to answer questions about the data.

James A. (Dolph) Norton
Director, Center for Public Service
University of Virginia

Charlottesville
July 1988

SUMMARY

In the third quarter of 1987, 17,812 new housing units were authorized for construction in Virginia, a figure 7 percent higher than the average for this quarter during the past five years. In the fourth quarter, with 14,478 new units authorized, building activity fell 11 percent compared to the average fourth quarter. The third-quarter results in Virginia were better than results in the nation as a whole, but the sharp fourth-quarter decline in the state paralleled the national trend.

Between the last census count of housing (April 1, 1980) and the end of 1987, permits for 467,162 housing units (including mobile homes) were issued in Virginia. This represents an increase of 23 percent over the 2,020,941 units counted in the 1980 census.

In both the third and fourth quarters Fairfax County led the state in construction activity, issuing about three times as many permits as the next closest locality. The five leading planning districts in number of permits issued during both quarters were Northern Virginia, Southeastern Virginia, Richmond Regional, Peninsula, and RADCO. These five districts combined accounted for about three-fourths of all permits issued in the state.

The average cost of a single-family dwelling in Virginia increased from $66,273 in the second quarter to $66,318 in the third, or less than one percent. In the fourth quarter, however, the average cost jumped 8.3 percent, from $66,318 to $71,794. Since the first quarter of 1980 construction costs for single-family units have increased by 95 percent in current dollars and by 46 percent in constant dollars (adjusted for inflation). Since 1970 the cost of constructing a single-family dwelling has increased 347 percent in current dollars.

During 1986 (the last year for which complete data are available) the value of residential housing constructed in Virginia was about $3.8 billion, and the value of nonresidential construction was about $1.9 billion.

Construction of single-family units accounts for the majority of building activity in most localities. In a few cities, however, construction of multi-family units predominates. In the fourth quarter, for example, multi-family units accounted for more than half of all permits issued in Alexandria, Chesapeake, Harrisonburg, Newport News, Norfolk, Portsmouth, Roanoke, and Suffolk.

ANALYSIS

Introduction

Building activity is one of the most frequently used indicators of economic and demographic change. Presently, the number of housing units authorized by local building permits is the best available measure of housing starts for Virginia's counties and independent cities. Most of the information contained in this report is supplied by local building officials to the Construction Division of the U.S. Bureau of the Census. The Bureau, in turn, forwards the data to the Center for Public Service where they are tabulated and compiled. For about forty of the state's smallest localities building permit statistics are collected by the planning districts directly from local building officials, and then forwarded to the Center for tabulation.

This report presents the number of residential building permits issued for housing units in Virginia counties, independent cities, and planning districts for July–September 1987 (Table 3) and for October–December 1987 (Table 4). The data in this series include the number of permits issued by structure type, the aggregate value of these permits, the number of demolitions recorded in each locality, and the net increase in the housing stock. Data on construction costs in Table 1 and Table 2 are compiled only through 1986; the figures for 1987 will be available in the next report in this series (Annual, 1987).

We are continuing the policy of not publishing data imputed by the Census Bureau. Localities that did not file a complete set of monthly reports are identified by footnotes in both tables. Localities that make annual rather than monthly reports are also noted in the tables.

In January 1987 the Census Bureau stopped collecting information on mobile homes; this is why most localities are listed as having issued no mobile home permits. The Center for Public Service continues to collect mobile home data for some localities, but these data should be interpreted cautiously, since it has recently come to our attention that many localities do not distinguish between new mobile homes and mobile homes that are relocating within the locality.

The cost figures reported here are estimated construction costs submitted by the builders and often exclude land acquisition costs or the builders' profit margin. Additionally, the Census Bureau estimates that nationwide underestimation of costs on construction itself runs from about 17.5 percent for single units, to about 30 percent for structures of two to four units, to more than 50 percent for structures of five or more units. The figures for average cost per unit, therefore, do not represent an estimate of the price of housing to the consumer. Despite these limitations, construction costs constitute a large proportion of the total market cost of housing, and thus the reported figures provide an important means of comparison among localities and for one area over time.

Data on the number of permits issued are considerably more reliable than the data for costs. The Census Bureau considers its estimates of housing authorizations in Virginia to be accurate to within plus or minus 1 percent.

This report analyzes and integrates current housing authorization reports with data presented in previous editions covering the period from 1970

TABLE 1.
Aggregate Residential Construction Costs, Virginia: 1970–1986

Year	Value of Construction in Current Dollars (in Millions $)	Census Bureau Construction Cost Index	Deflated Value of Construction in Constant 1982 Dollars (in Millions $)
1970	544.7	35.7	1,525.8
1971	1,023.0	37.7	2,713.5
1972	1,237.2	40.1	3,085.3
1973	1,332.9	43.9	3,036.2
1974	879.7	48.4	1,817.6
1975	838.9	52.8	1,588.8
1976	1,003.8	56.6	1,773.5
1977	1,564.5	63.2	2,475.5
1978	1,703.2	72.3	2,355.7
1979	1,617.3	81.7	1,979.6
1980	1,357.3	90.6	1,498.1
1981	1,134.8	97.7	1,161.5
1982	1,260.3	100.0	1,260.3
1983	2,257.8	102.7	2,198.4
1984	2,601.8	106.3	2,447.6
1985	3,018.9	109.4	2,759.5
1986	3,770.9	111.7	3,375.9

SOURCES: Census Bureau Construction Cost Index from U.S. Department of Commerce, *Construction Review* 32 (March–April 1987), Table E-1; annual data from previous editions of *Housing Units Authorized.*

NOTE: Deflated value = current value x (100 / index value).

to the present. The analysis presented here should be useful to the reader to highlight trends in building activity.

Third-Quarter Trends

During the third quarter, 17,812 housing units were authorized for construction in Virginia. This level of building activity represents a 7 percent increase over the previous five third quarters, from 1982 to 1986, when an average of 16,600 permits were issued quarterly. Figures 1 and 3 show the historic trend in permit activity on an annual and quarterly basis.

Despite this above-average performance, permit activity during the quarter was down 1 percent compared to the same quarter a year ago. Permit activity was also down—by 5 percent—from the previous quarter. Normally, however, there is a 10 percent seasonal decrease between the second and third quarters, so this 5 percent decline is actually a strong showing.

Permits for 11,901 single-family housing units were issued during the quarter, an increase of nearly 16 percent over the five-year average of 10,300 units per quarter. Compared to the same three months a year ago, 6 percent more such permits were issued. Compared to the second quarter of this year, 8 percent fewer permits were issued, but this is a much better performance than

TABLE 2.
Aggregate Nonresidential Construction Costs, Virginia: 1980–1986

Year	Value of Construction in Current Dollars (in Millions $)	Boeckh Index for Commercial Buildings	Deflated Value of Construction in Constant 1982 Dollars (in Millions $)
1980	664.9	84.1	790.6
1981	781.6	92.2	847.7
1982	790.4	100.0	790.4
1983	1,013.6	105.3	962.6
1984	1,242.8	109.4	1,136.0
1985	1,425.5	111.3	1,280.8
1986	1,855.1	113.2	1,638.8

SOURCES: Boeckh Index from U.S. Department of Commerce, *Construction Review* 32 (March–April 1987), Table E–1; annual data from previous editions of *Housing Units Authorized*.

NOTES: The Boeckh Index is an independent index of construction costs compiled by The American Appraisal Company, Inc. Deflated value = current value x (100 / index value).

the normal seasonal decline of around 15 percent between the second and third quarters.

The total value of all permits issued during the third quarter was $942.6 million, 14.5 percent higher than the $823.2 million issued during the same quarter a year ago. The total value of single-family unit permits was $789.3 million, compared to $691.2 million a year ago, an increase of 14.2 percent.

Building trends in Virginia usually mirror national trends, but this was not the case in the third quarter. Between the second and third quarters of 1987, the number of permits issued for total units declined 10 percent in the U.S. but only 5 percent in Virginia. Between the third quarter of 1986 and the third quarter of 1987, there was a 12 percent reduction nationally, but only a 1 percent reduction statewide. For single-family units, Virginia and the U.S. moved in opposite directions in one important measure. For the U.S., single-family unit permits issued during the third quarter decreased 14 percent compared to the preceding quarter and decreased 6 percent compared to the same quarter a year ago. In Virginia the number of these permits fell 8 percent since the last quarter, but *increased* 6 percent over the same quarter a year ago.

Third-quarter construction costs per unit rose slightly for single-family units, but showed a moderate decline for all unit types combined (single-family units, mobile homes, and multi-unit structures). The average cost of a single-family unit increased from $66,273 in the second quarter to $66,318 in the third, a rise of less than 1 percent. For all unit types, average cost declined from $54,477 to $52,919, a drop of nearly 3 percent. Figures 2 and 4 show the historic trend in permit costs on a per-unit basis.

A significant proportion of all building permits issued in the Commonwealth was concentrated in just five of the state's twenty-two planning districts (PDs). The Northern Virginia PD, which includes Fairfax County and other localities near Washington, D.C., led the state with 6,885 permits issued, equal to nearly 40 percent of all permits issued statewide. The Southeastern Virginia PD, which includes Virginia Beach City and surrounding jurisdictions, ranked second with 2,294 permits issued—12.9 percent of the state total. The Richmond Regional PD, which includes Richmond City and its surrounding suburban localities, issued 2,211 permits, or 12.4 percent of the state total. Peninsula PD, which includes the cities of Hampton and Newport News, was in fourth place with 1,087 permits, about 6 percent of

FIGURE 1.
Number of Permits Issued, 1970–1986

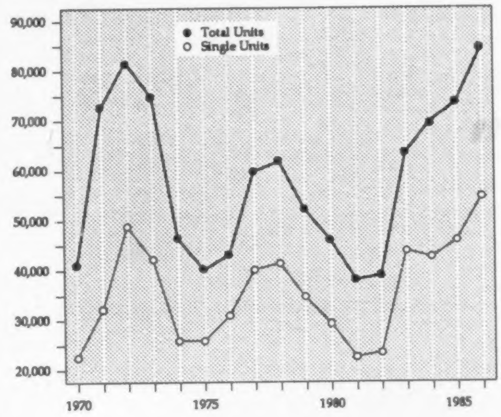


FIGURE 2.
Average Value of Permits Per Unit, 1970–1986

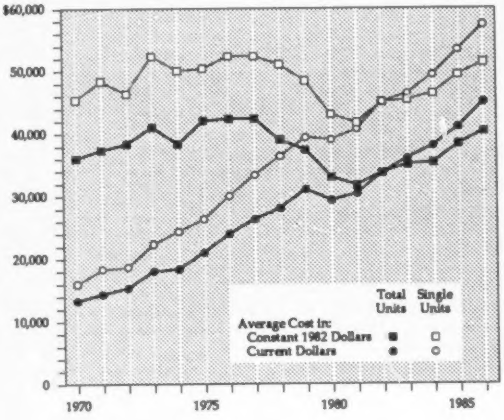


FIGURE 3.
Number of Permits Issued, 1980:1–1987:4

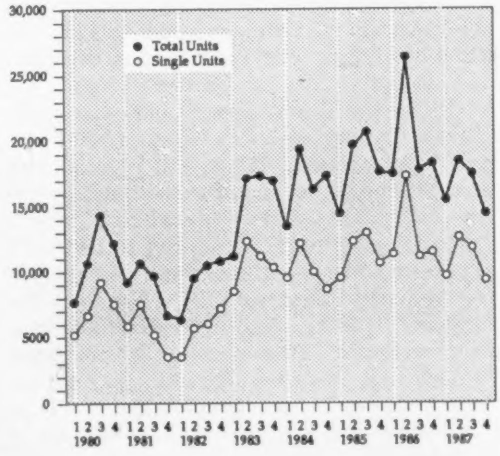
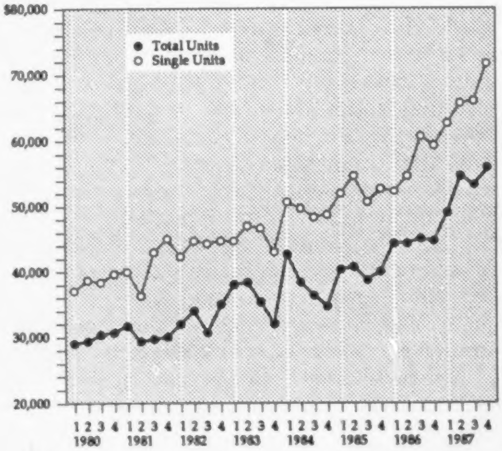


FIGURE 4.
Average Value of Permits Per Unit, 1980:1–1987:4



the state total. The last planning district to issue as many as five percent of the state total is RADCO, which includes the area around Fredericksburg City. RADCO issued 957 permits. Combined, these five PDs accounted for 13,400 permits, about three-fourths of all permits issued in Virginia.

Fourth-Quarter Trends

During the fourth quarter 14,478 housing units were authorized for construction in the state. This level of building activity represents an 11 percent decrease over the previous five fourth quarters, when an average of 16,300 permits were issued quarterly. Building activity during the quarter was substantially less than during the same quarter a year ago (down by nearly 22 percent); it was also significantly lower than the previous quarter, (down by 19 percent). The normal seasonal change between the third and fourth quarters is a small decline of less than 2 percent.

Permits for 9,477 single-family housing units were issued in the fourth quarter, a decrease of 3.3 percent from the five-year average of 9,800 units per quarter. Compared to the same quarter a year ago there was a decrease of 18 percent in the number of single-family unit permits issued. The number of such permits decreased between the third and fourth quarters of this year by one-fifth, a sharper drop than the normal seasonal decline of 5 percent.

The value of all permits issued during the fourth quarter was $808.9 million, compared to $841.7 million during the fourth quarter of 1986, a decrease of nearly 4 percent. The total value of all single-family unit permits was $680.4 million, compared to $696.1 million in the same quarter a year ago, a decrease of 2.3 percent.

Building activity in Virginia during the fourth quarter closely paralleled the national pattern. Between the third and fourth quarters permits for single-family units decreased 20 percent in Virginia and 22 percent in the U.S. The total number of permits issued decreased 19 percent in the state, and 21 percent in the nation. Comparing 1986 and 1987 fourth quarters, the number of single-family unit permits issued declined 9 percent in the U.S. and 18 percent in Virginia, while the total number of permits issued declined 17 percent nationally and 22 percent in Virginia.

During the fourth quarter, per-unit construction costs increased rapidly from their third-quarter levels. For all unit types combined, the increase was 5.6 percent, from $52,919 to $55,873 per unit. For single-family units the increase was 8.3 percent, from $66,318 to $71,794.

The concentration of new housing units in the Commonwealth shows the same geographic pattern as was seen in the third quarter, although the rank of some of the planning districts changed. The Northern Virginia PD again ranked first, issuing 5,006 residential building permits, or about 35 percent of the state total. The Southeastern Virginia PD ranked second, issuing 2,494 permits—17 percent of the total. Third highest in both quarters was the Richmond Regional PD, with nearly 14 percent of all permits issued statewide, about 2,000. In fourth position was RADCO, which issued 929 permits, 6.4 percent of the state total. The Peninsula PD, which issued 731 permits, was fifth with exactly 5 percent of the state total. Together these five planning districts accounted for 77 percent of all permits issued in Virginia.

TABLE 3.
Housing Units Authorized in Virginia Localities, Third Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack	66	3,107.0	0	0.0	66	3,107.0	56	2,807.0
2	Albemarle	155	14,304.0	0	0.0	155	14,304.0	119	11,169.8
3	Alleghany	34	569.7	23	183.8	11	385.9	11	385.9
4	Amelia (RA)	—	—	—	—	—	—	—	—
5	Amherst	30	1,784.8	0	0.0	30	1,784.8	28	1,724.8
6	Appomattox	52	1,295.1	42	606.6	10	688.5	10	688.5
7	Arlington	108	9,596.0	0	0.0	108	9,596.0	108	9,596.0
8	Augusta	132	8,479.5	0	0.0	132	8,479.5	132	8,479.5
9	Bath (1)	0	0.0	0	0.0	0	0.0	0	0.0
10	Bedford	298	NA	128	NA	170	NA	142	NA
11	Bland (2)	0	0.0	0	0.0	0	0.0	0	0.0
12	Botetourt (3)	49	3,200.8	14	NA	35	3,200.8	35	3,200.8
13	Brunswick	74	1,561.0	59	747.6	15	813.5	15	813.5
14	Buchanan	7	198.0	0	0.0	7	198.0	7	198.0
15	Buckingham (RA)	—	—	—	—	—	—	—	—
16	Campbell	91	4,555.6	0	0.0	91	4,555.6	54	3,805.6
17	Caroline	65	3,925.7	0	0.0	65	3,925.7	65	3,925.7
18	Carroll	32	1,710.5	0	0.0	32	1,710.5	32	1,710.5
19	Charles City	16	981.4	0	0.0	16	981.4	16	981.4
20	Charlotte (3)	16	606.4	0	0.0	16	606.4	12	566.4
21	Chesterfield	952	53,368.0	0	0.0	952	53,368.0	908	52,027.0
22	Clarke	31	2,437.0	0	0.0	31	2,437.0	31	2,437.0
23	Craig (2)	0	0.0	0	0.0	0	0.0	0	0.0
24	Culpeper (3)	56	1,785.9	0	0.0	56	1,785.9	27	876.0
25	Cumberland (RA)	—	—	—	—	—	—	—	—
26	Dickenson (RA)	—	—	—	—	—	—	—	—
27	Dinwiddie	33	1,351.0	0	0.0	33	1,351.0	33	1,351.0
28	Essex (RA)	—	—	—	—	—	—	—	—
29	Fairfax	4,054	246,605.5	0	0.0	4,054	246,605.5	2,466	191,647.5
30	Fauquier (4)	0	0.0	0	0.0	0	0.0	0	0.0
31	Floyd	40	491.0	29	NA	11	491.0	11	491.0
32	Fluvanna	73	4,351.5	6	NA	67	4,351.5	67	4,351.5
33	Franklin	116	6,694.5	0	0.0	116	6,694.5	116	6,694.5
34	Frederick	199	10,945.0	0	0.0	199	10,945.0	187	10,735.0
35	Giles	35	257.9	27	NA	8	257.9	8	257.9
36	Gloucester (3)	119	9,089.8	0	0.0	119	9,089.8	117	9,014.8
37	Goochland (3)	45	3,646.6	0	0.0	45	3,646.6	45	3,646.6
38	Grayson (2)	0	0.0	0	0.0	0	0.0	0	0.0
39	Greene (RA)	—	—	—	—	—	—	—	—
40	Greensville	25	250.1	21	134.1	4	116.0	4	116.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
6	200.0	4	100.0	0	0.0	0	0	0	66	1
6	607.5	15	1,806.8	15	720.0	0	0	0	155	2
0	0.0	0	0.0	0	0.0	0	0	0	34	3
—	—	—	—	—	—	—	—	—	—	4
2	60.0	0	0.0	0	0.0	0	0	0	30	5
0	0.0	0	0.0	0	0.0	0	0	0	52	6
0	0.0	0	0.0	0	0.0	7	0	7	101	7
0	0.0	0	0.0	0	0.0	0	0	0	132	8
0	0.0	0	0.0	0	0.0	0	0	0	0	9
0	0.0	28	NA	0	0.0	0	0	0	298	10
0	0.0	0	0.0	0	0.0	0	0	0	0	11
0	0.0	0	0.0	0	0.0	0	0	0	49	12
0	0.0	0	0.0	0	0.0	0	0	0	74	13
0	0.0	0	0.0	0	0.0	1	0	1	6	14
—	—	—	—	—	—	—	—	—	—	15
2	50.0	0	0.0	35	700.0	2	0	2	89	16
0	0.0	0	0.0	0	0.0	0	0	0	65	17
0	0.0	0	0.0	0	0.0	0	0	0	32	18
0	0.0	0	0.0	0	0.0	0	0	0	16	19
0	0.0	4	40.0	0	0.0	0	0	0	16	20
0	0.0	0	0.0	44	1,341.0	0	0	0	952	21
0	0.0	0	0.0	0	0.0	2	0	2	29	22
0	0.0	0	0.0	0	0.0	0	0	0	0	23
12	484.9	7	125.0	10	300.0	0	0	0	56	24
—	—	—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	—	—	26
0	0.0	0	0.0	0	0.0	0	0	0	33	27
—	—	—	—	—	—	—	—	—	—	28
0	0.0	0	0.0	1,588	54,958.0	61	0	61	3,993	29
0	0.0	0	0.0	0	0.0	0	0	0	0	30
0	0.0	0	0.0	0	0.0	0	0	0	40	31
0	0.0	0	0.0	0	0.0	0	0	0	73	32
0	0.0	0	0.0	0	0.0	1	0	1	115	33
12	210.0	0	0.0	0	0.0	0	0	0	199	34
0	0.0	0	0.0	0	0.0	0	0	0	35	35
2	75.0	0	0.0	0	0.0	0	0	0	119	36
0	0.0	0	0.0	0	0.0	0	0	0	45	37
0	0.0	0	0.0	0	0.0	0	0	0	0	38
—	—	—	—	—	—	—	—	—	—	39
0	0.0	0	0.0	0	0.0	0	0	0	25	40

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, Third Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
41	Halifax (2)	0	0.0	0	0.0	0	0.0	0	0.0
42	Hanover	283	13,378.1	0	0.0	283	13,378.1	283	13,378.1
43	Henrico	690	34,109.3	0	0.0	690	34,109.3	596	32,341.2
44	Henry	106	4,628.2	0	0.0	106	4,628.2	57	3,401.2
45	Highland (RA)	—	—	—	—	—	—	—	—
46	Isle of Wight (2)	0	0.0	0	0.0	0	0.0	0	0.0
47	James City	328	21,430.0	0	0.0	328	21,430.0	218	16,165.1
48	King and Queen (RA)	—	—	—	—	—	—	—	—
49	King George	63	2,739.6	25	NA	38	2,739.6	38	2,739.6
50	King William	31	1,546.0	0	0.0	31	1,546.0	31	1,546.0
51	Lancaster	48	3,794.3	7	155.4	41	3,638.9	39	3,588.9
52	Lee	22	1,006.7	0	0.0	22	1,006.7	22	1,006.7
53	Loudoun	852	42,451.8	0	0.0	852	42,451.8	531	33,483.8
54	Louisa (5)	109	5,153.6	0	0.0	109	5,153.6	107	5,063.7
55	Lunenburg (RA)	—	—	—	—	—	—	—	—
56	Madison	30	1,718.9	2	24.6	28	1,694.3	26	1,384.3
57	Mathews (RA)	—	—	—	—	—	—	—	—
58	Mecklenburg	32	1,781.7	0	0.0	32	1,781.7	32	1,781.7
59	Middlesex (RA)	—	—	—	—	—	—	—	—
60	Montgomery (6)	146	8,188.7	0	0.0	146	8,188.7	110	7,359.9
61	Nelson	32	2,554.6	0	0.0	32	2,554.6	32	2,554.6
62	New Kent	61	3,596.0	0	0.0	61	3,596.0	61	3,596.0
63	Northampton (RA)	—	—	—	—	—	—	—	—
64	Northumberland	55	2,924.6	17	229.0	38	2,695.6	38	2,695.6
65	Nottoway (RA)	—	—	—	—	—	—	—	—
66	Orange	86	3,992.4	27	NA	59	3,992.4	59	3,992.4
67	Page	56	1,518.1	32	338.8	24	1,179.3	24	1,179.3
68	Patrick	74	1,498.0	55	671.0	19	827.0	19	827.0
69	Pittsylvania	93	4,238.7	0	0.0	93	4,238.7	85	4,080.7
70	Powhatan	97	5,114.0	0	0.0	97	5,114.0	93	5,010.0
71	Prince Edward (RA)	—	—	—	—	—	—	—	—
72	Prince George	42	2,486.8	0	0.0	42	2,486.8	42	2,486.8
73	Prince William	1,670	70,346.7	0	0.0	1,670	70,346.7	646	43,374.6
74	Pulaski (7)	21	794.6	0	0.0	21	794.6	15	729.6
75	Rappahannock	29	1,826.0	0	0.0	29	1,826.0	29	1,826.0
76	Richmond	27	751.0	16	130.0	11	621.0	11	621.0
77	Roanoke	200	9,524.1	0	0.0	200	9,524.1	150	8,105.2
78	Rockbridge (RA)	—	—	—	—	—	—	—	—
79	Rockingham	211	12,261.6	0	0.0	211	12,261.6	164	11,036.6
80	Russell (5)	20	685.5	0	0.0	20	685.5	15	585.5

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	0	41
0	0.0	0	0.0	0	0.0	1	0	1	282	42
0	0.0	12	355.0	82	1,413.1	13	0	13	677	43
0	0.0	3	35.0	46	1,192.0	0	0	0	106	44
—	—	—	—	—	—	—	—	—	—	45
0	0.0	0	0.0	0	0.0	0	0	0	0	46
2	68.9	0	0.0	108	5,196.0	1	0	1	327	47
—	—	—	—	—	—	—	—	—	—	48
0	0.0	0	0.0	0	0.0	0	0	0	63	49
0	0.0	0	0.0	0	0.0	4	0	4	27	50
2	50.0	0	0.0	0	0.0	3	0	3	45	51
0	0.0	0	0.0	0	0.0	0	0	0	22	52
2	68.9	0	0.0	319	8,899.1	0	0	0	852	53
2	89.9	0	0.0	0	0.0	0	0	0	109	54
—	—	—	—	—	—	—	—	—	—	55
2	310.0	0	0.0	0	0.0	0	0	0	30	56
—	—	—	—	—	—	—	—	—	—	57
0	0.0	0	0.0	0	0.0	0	0	0	32	58
—	—	—	—	—	—	—	—	—	—	59
0	0.0	0	0.0	36	828.8	2	0	2	144	60
0	0.0	0	0.0	0	0.0	0	0	0	32	61
0	0.0	0	0.0	0	0.0	0	0	0	61	62
—	—	—	—	—	—	—	—	—	—	63
0	0.0	0	0.0	0	0.0	0	0	0	55	64
—	—	—	—	—	—	—	—	—	—	65
0	0.0	0	0.0	0	0.0	0	0	0	86	66
0	0.0	0	0.0	0	0.0	0	0	0	56	67
0	0.0	0	0.0	0	0.0	0	0	0	74	68
2	50.0	6	108.0	0	0.0	0	0	0	93	69
4	104.0	0	0.0	0	0.0	0	0	0	97	70
—	—	—	—	—	—	—	—	—	—	71
0	0.0	0	0.0	0	0.0	0	0	0	42	72
0	0.0	0	0.0	1,024	26,972.1	1	0	1	1,669	73
0	0.0	0	0.0	6	65.0	2	0	2	19	74
0	0.0	0	0.0	0	0.0	3	0	3	26	75
0	0.0	0	0.0	0	0.0	0	0	0	27	76
2	88.4	0	0.0	48	1,330.5	3	0	3	197	77
—	—	—	—	—	—	—	—	—	—	78
14	480.0	13	400.0	20	345.0	0	0	0	211	79
0	0.0	0	0.0	5	100.0	0	0	0	20	80

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, Third Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
81	Scott (5)	7	379.5	0	0.0	7	379.5	7	379.5
82	Shenandoah	143	6,392.0	0	0.0	143	6,392.0	85	4,670.5
83	Smyth	36	1,278.8	0	0.0	36	1,278.8	28	1,120.8
84	Southampton (2)	0	0.0	0	0.0	0	0.0	0	0.0
85	Spotsylvania	489	36,534.2	0	0.0	489	36,534.2	433	35,433.2
86	Stafford	324	24,991.4	0	0.0	324	24,991.4	292	24,027.3
87	Surry	29	877.8	13	102.3	16	775.5	16	775.5
88	Sussex	27	515.2	23	277.2	4	238.0	4	238.0
89	Tazewell	39	2,002.2	0	0.0	39	2,000.2	39	2,000.2
90	Warren	179	9,198.1	10	234.6	169	8,963.6	169	8,963.6
91	Washington	80	2,645.6	0	0.0	80	2,645.6	62	2,334.3
92	Westmoreland	47	2,009.2	18	277.1	29	1,732.1	29	1,732.1
93	Wise (8)	9	469.3	0	0.0	9	469.3	9	469.3
94	Wythe (2)	0	0.0	0	0.0	0	0.0	0	0.0
95	York	171	11,286.4	0	0.0	171	11,286.4	127	9,986.4
	CITIES								
96	Alexandria (3)	28	1,504.6	0	0.0	28	1,504.6	16	1,383.1
97	Bedford	12	311.0	3	NA	9	311.0	1	76.0
98	Bristol	7	347.6	0	0.0	7	347.6	7	347.6
99	Buena Vista (2)	0	0.0	0	0.0	0	0.0	0	0.0
100	Charlottesville	9	397.2	0	0.0	9	397.2	7	332.2
101	Chesapeake	508	37,077.8	0	0.0	508	37,077.8	416	34,248.9
102	Clifton Forge (3)	1	63.0	0	0.0	1	63.0	1	63.0
103	Colonial Heights	22	1,335.2	0	0.0	22	1,335.2	22	1,335.2
104	Covington	2	112.5	0	0.0	2	112.5	2	112.5
105	Danville	21	649.0	0	0.0	21	649.0	8	401.0
106	Emporia	2	107.0	1	17.0	1	90.0	1	90.0
107	Fairfax	73	3,266.5	0	0.0	73	3,266.5	13	1,376.5
108	Falls Church	0	0.0	0	0.0	0	0.0	0	0.0
109	Franklin (2)	0	0.0	0	0.0	0	0.0	0	0.0
110	Fredericksburg	16	703.5	0	0.0	16	703.5	16	703.5
111	Galax (RA)	—	—	—	—	—	—	—	—
112	Hampton	248	11,284.0	0	0.0	248	11,284.0	150	8,438.3
113	Harrisonburg	91	2,925.3	0	0.0	91	2,925.3	27	1,659.0
114	Hopewell	17	711.2	0	0.0	17	711.2	15	681.2
115	Lexington (RA)	—	—	—	—	—	—	—	—

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	7	81
4	100.0	8	330.5	46	1,291.0	1	0	1	142	82
2	48.0	0	0.0	6	110.0	2	0	2	34	83
0	0.0	0	0.0	0	0.0	0	0	0	0	84
0	0.0	0	0.0	56	1,100.9	0	0	0	489	85
0	0.0	0	0.0	32	964.0	0	0	0	324	86
0	0.0	0	0.0	0	0.0	1	0	1	28	87
0	0.0	0	0.0	0	0.0	1	0	1	26	88
0	0.0	0	0.0	0	0.0	0	0	0	39	89
0	0.0	0	0.0	0	0.0	0	0	0	179	90
2	23.0	8	141.1	8	147.1	0	0	0	80	91
0	0.0	0	0.0	0	0.0	0	0	0	47	92
0	0.0	0	0.0	0	0.0	0	0	0	9	93
0	0.0	0	0.0	0	0.0	0	0	0	0	94
0	0.0	8	580.0	36	720.0	3	0	3	168	95
0	0.0	0	0.0	12	121.5	0	0	0	28	96
8	235.0	0	0.0	0	0.0	14	0	14	–2	97
0	0.0	0	0.0	0	0.0	3	0	3	4	98
0	0.0	0	0.0	0	0.0	0	0	0	0	99
2	65.0	0	0.0	0	0.0	2	0	2	7	100
28	731.6	12	484.2	52	1,613.0	20	0	20	488	101
0	0.0	0	0.0	0	0.0	0	0	0	1	102
0	0.0	0	0.0	0	0.0	1	0	1	21	103
0	0.0	0	0.0	0	0.0	1	0	1	1	104
2	40.0	0	0.0	11	208.0	8	0	8	13	105
0	0.0	0	0.0	0	0.0	4	0	4	–2	106
0	0.0	0	0.0	60	1,890.0	3	0	3	70	107
0	0.0	0	0.0	0	0.0	0	0	0	0	108
0	0.0	0	0.0	0	0.0	0	0	0	0	109
0	0.0	0	0.0	0	0.0	0	0	0	0	110
—	—	—	—	—	—	—	—	—	—	111
0	0.0	0	0.0	98	2,845.7	6	0	6	242	112
2	75.0	36	831.2	26	360.0	1	0	1	90	113
2	30.0	0	0.0	0	0.0	3	0	3	14	114
—	—	—	—	—	—	—	—	—	—	115

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, Third Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES (continued)								
116	Lynchburg	49	2,441.0	0	0.0	49	2,441.0	33	2,039.0
117	Manassas	100	5,665.7	0	0.0	100	5,665.7	80	4,953.8
118	Manassas Park	0	0.0	0	0.0	0	0.0	0	0.0
119	Martinsville	18	675.0	0	0.0	18	675.0	4	343.0
120	Newport News	310	15,137.6	0	0.0	310	15,137.6	304	14,881.6
121	Norfolk	518	13,978.9	0	0.0	518	13,978.9	109	6,532.8
122	Norton	8	NA	8	NA	0	0.0	0	0.0
123	Petersburg	128	2,795.0	0	0.0	128	2,795.0	2	55.0
124	Poquoson	12	1,145.0	0	0.0	12	1,145.0	12	1,145.0
125	Portsmouth	279	7,352.1	0	0.0	279	7,352.1	47	3,065.0
126	Radford	29	883.4	1	17.9	28	865.5	6	425.5
127	Richmond	67	6,059.0	0	0.0	67	6,059.0	67	6,059.0
128	Roanoke	49	1,626.2	0	0.0	49	1,626.2	28	1,193.7
129	Salem	18	1,078.4	0	0.0	18	1,078.4	16	1,017.7
130	South Boston	4	367.1	0	0.0	4	367.1	4	367.1
131	Staunton (RA)	—	—	—	—	—	—	—	—
132	Suffolk	127	5,971.5	0	0.0	127	5,971.5	50	3,401.5
133	Virginia Beach	862	50,676.0	0	0.0	862	50,676.0	666	47,300.0
134	Waynesboro (2)	0	0.0	0	0.0	0	0.0	0	0.0
135	Williamsburg	18	2,117.7	0	0.0	18	2,117.7	18	2,117.7
136	Winchester	62	2,067.0	0	0.0	62	2,067.0	18	1,331.0
	PLANNING DISTRICTS								
137	LENOWISCO	46	1,855.5	8	NA	38	1,855.5	38	1,855.5
138	Cumberland Plateau	66	2,883.7	0	0.0	66	2,883.7	61	2,783.7
139	Mount Rogers	155	5,982.5	0	0.0	155	5,982.5	129	5,513.2
140	New River Valley	271	10,615.6	57	17.9	214	10,597.7	150	9,263.9
141	Fifth	353	16,174.7	37	183.8	316	15,990.9	243	14,078.8
142	Central Shenandoah	434	23,666.4	0	0.0	434	23,666.4	323	21,175.1
143	Lord Fairfax	670	32,557.2	42	573.4	628	31,983.9	514	29,316.4
144	Northern Virginia	6,885	379,436.8	0	0.0	6,885	379,436.8	3,860	285,815.3
145	Rappahannock-Rapidan	201	9,323.2	29	24.6	172	9,298.6	141	8,078.7
146	Thomas Jefferson	378	26,760.9	6	NA	372	26,760.9	332	23,471.8
147	Central Virginia	532	10,387.5	173	606.6	359	9,780.9	268	8,333.9
148	West Piedmont	428	18,383.4	55	671.0	373	17,712.4	289	15,747.4
149	Southside	110	3,709.8	59	747.6	51	2,962.3	51	2,962.3
150	Piedmont	16	606.4	0	0.0	16	606.4	12	566.4
151	Richmond Regional	2,211	120,252.4	0	0.0	2,211	120,252.4	2,069	117,039.3

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
16	402.0	0	0.0	0	0.0	9	0	9	40	116
0	0.0	0	0.0	20	711.9	0	0	0	100	117
0	0.0	0	0.0	0	0.0	0	0	0	0	118
6	124.0	8	208.0	0	0.0	2	0	2	16	119
2	166.0	4	90.0	0	0.0	5	0	5	305	120
44	748.2	28	459.8	337	6,238.1	91	0	91	427	121
0	0.0	0	0.0	0	0.0	1	0	1	7	122
0	0.0	0	0.0	126	2,740.0	12	0	12	116	123
0	0.0	0	0.0	0	0.0	0	0	0	12	124
4	144.0	0	0.0	228	4,143.0	13	0	13	266	125
0	0.0	0	0.0	22	440.0	7	0	7	22	126
0	0.0	0	0.0	0	0.0	16	0	16	51	127
4	62.5	11	220.0	6	150.0	104	0	104	–55	128
2	60.7	0	0.0	0	0.0	7	0	7	11	129
0	0.0	0	0.0	0	0.0	2	0	2	2	130
—	—	—	—	—	—	—	—	—	—	131
32	905.0	8	160.0	37	1,505.0	28	0	28	99	132
20	1,100.0	0	0.0	176	2,276.0	23	0	23	839	133
0	0.0	0	0.0	0	0.0	0	0	0	0	134
0	0.0	0	0.0	0	0.0	0	0	0	18	135
0	0.0	8	80.0	36	656.0	5	0	5	57	136
0	0.0	0	0.0	0	0.0	1	0	1	45	137
0	0.0	0	0.0	5	100.0	1	0	1	65	138
4	71.0	8	141.1	14	257.1	5	0	5	150	139
0	0.0	0	0.0	64	1,333.8	11	0	11	260	140
8	211.6	11	220.0	54	1,480.5	115	0	115	238	141
16	555.0	49	1,231.2	46	705.0	1	0	1	433	142
16	310.0	16	410.5	82	1,947.0	8	0	8	662	143
2	68.9	0	0.0	3,023	93,552.6	72	0	72	6,813	144
14	794.9	7	125.0	10	300.0	3	0	3	198	145
10	762.4	15	1,806.8	15	720.0	2	0	2	376	146
28	747.0	28	NA	35	700.0	25	0	25	507	147
10	214.0	17	351.0	57	1,400.0	11	0	11	417	148
0	0.0	0	0.0	0	0.0	2	0	2	108	149
0	0.0	4	40.0	0	0.0	0	0	0	16	150
4	104.0	12	355.0	126	2,754.1	30	0	30	2,181	151

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, Third Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	PLANNING DISTRICTS (continued)								
152	RADCO	957	68,894.4	25	NA	932	68,894.4	844	66,829.3
153	Northern Neck	177	9,479.1	58	791.5	119	8,687.6	117	8,637.6
154	Middle Peninsula	150	10,635.8	0	0.0	150	10,635.8	148	10,560.8
155	Crater	325	10,429.3	58	530.6	267	9,898.7	139	7,128.7
156	Southeastern Virginia	2,294	115,056.3	0	0.0	2,294	115,056.3	1,288	94,548.2
157	Peninsula	1,087	62,400.7	0	0.0	1,087	62,400.7	829	52,734.1
158	Accomack-Northampton	66	3,107.0	0	0.0	66	3,107.0	56	2,807.0
159	VIRGINIA	17,812	942,598.6	607	4,147.0	17,205	938,451.8	11,901	789,247.5

(RA)	Reports annually.
NA	Data not available.
(1)	Reported 5 months.
(2)	Reported 6 months.
(3)	Reported 8 months.
(4)	Reported 3 months.
(5)	Reported 7 months.
(6)	Blacksburg Town reported 4 months. The balance of Montgomery County reported 9 months.
(7)	Dublin Town reported 8 months. The balance of Pulaski County reported 9 months.
(8)	St. Paul Town reported 8 months. The balance of Wise County reported 9 months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	88	2,064.9	0	0	0	957	152
2	50.0	0	0.0	0	0.0	3	0	3	174	153
2	75.0	0	0.0	0	0.0	4	0	4	146	154
2	30.0	0	0.0	126	2,740.0	22	0	22	303	155
128	3,628.8	48	1,104.0	830	15,775.1	175	0	175	2,119	156
4	234.9	12	670.0	242	8,761.7	15	0	15	1,072	157
6	200.0	4	100.0	0	0.0	0	0	0	66	158
256	8,057.5	231	6,554.6	4,817	134,591.8	506	0	506	17,306	159

TABLE 4.
Housing Units Authorized in Virginia Localities, Fourth Quarter, 1987

Line	Jurisdiction	Total Units Authorized Number	Total Units Authorized $000	Total Mobile Units Number	Total Mobile Units $000	Total Private Units Number	Total Private Units $000	Single Units Number	Single Units $000
	COUNTIES								
1	Accomack	57	3,183.7	0	0.0	57	3,183.7	49	2,953.7
2	Albemarle	134	11,364.8	0	0.0	134	11,364.8	104	10,306.8
3	Alleghany	15	301.2	12	144.2	3	157.0	3	157.0
4	Amelia (RA)	—	—	—	—	—	—	—	—
5	Amherst	20	977.3	0	0.0	20	977.3	20	977.3
6	Appomattox	33	634.4	28	418.9	5	215.5	5	215.5
7	Arlington	55	3,766.6	0	0.0	55	3,766.6	55	3,766.6
8	Augusta	75	5,060.3	0	0.0	75	5,060.3	75	5,060.3
9	Bath (1)	13	1,394.0	0	0.0	13	1,394.0	13	1,394.0
10	Bedford	251	NA	120	NA	131	NA	107	NA
11	Bland (2)	0	0.0	0	0.0	0	0.0	0	0.0
12	Botetourt (3)	0	0.0	0	0.0	0	0.0	0	0.0
13	Brunswick	45	1,096.2	38	683.4	7	412.8	7	412.8
14	Buchanan	8	323.5	0	0.0	8	323.5	8	323.5
15	Buckingham (RA)	—	—	—	—	—	—	—	—
16	Campbell	38	2,439.3	0	0.0	38	2,439.3	34	2,303.3
17	Caroline	61	2,853.1	0	0.0	61	2,853.1	61	2,853.1
18	Carroll	18	799.2	0	0.0	18	799.2	14	769.2
19	Charles City (1)	3	216.3	0	0.0	3	216.3	3	216.3
20	Charlotte	11	446.9	0	0.0	11	446.9	11	446.9
21	Chesterfield	935	46,546.4	0	0.0	935	46,546.4	738	42,997.0
22	Clarke	24	1,778.0	0	0.0	24	1,778.0	24	1,778.0
23	Craig (2)	0	0.0	0	0.0	0	0.0	0	0.0
24	Culpeper	47	1,792.7	0	0.0	47	1,792.7	21	782.5
25	Cumberland (RA)	—	—	—	—	—	—	—	—
26	Dickenson (RA)	—	—	—	—	—	—	—	—
27	Dinwiddie	30	1,424.5	0	0.0	30	1,424.5	30	1,424.5
28	Essex (RA)	—	—	—	—	—	—	—	—
29	Fairfax	3,338	227,958.9	0	0.0	3,338	227,958.9	2,109	189,133.7
30	Fauquier (4)	71	8,449.3	0	0.0	71	8,449.3	71	8,449.3
31	Floyd	39	405.0	30	NA	9	405.0	9	405.0
32	Fluvanna	67	4,617.0	3	NA	64	4,617.0	64	4,617.0
33	Franklin	75	4,852.7	0	0.0	75	4,852.7	75	4,852.7
34	Frederick	154	8,482.1	0	0.0	154	8,482.1	122	7,242.1
35	Giles	24	170.0	20	NA	4	170.0	4	170.0
36	Gloucester	135	10,697.3	0	0.0	135	10,697.3	131	10,572.3
37	Goochland	67	5,869.6	0	0.0	67	5,869.6	67	5,869.6
38	Grayson (2)	0	0.0	0	0.0	0	0.0	0	0.0
39	Greene (RA)	—	—	—	—	—	—	—	—
40	Greensville	20	555.0	14	199.0	6	356.0	6	356.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
8	230.0	0	0.0	0	0.0	0	0	0	57	1
0	0.0	0	0.0	30	1,058.0	0	0	0	134	2
0	0.0	0	0.0	0	0.0	1	0	1	14	3
—	—	—	—	—	—	—	—	—	—	4
0	0.0	0	0.0	0	0.0	0	0	0	20	5
0	0.0	0	0.0	0	0.0	0	0	0	33	6
0	0.0	0	0.0	0	0.0	54	0	54	1	7
0	0.0	0	0.0	0	0.0	3	0	3	72	8
0	0.0	0	0.0	0	0.0	0	0	0	13	9
0	0.0	24	NA	0	0.0	0	0	0	251	10
0	0.0	0	0.0	0	0.0	0	0	0	0	11
0	0.0	0	0.0	0	0.0	0	0	0	0	12
0	0.0	0	0.0	0	0.0	0	0	0	0	13
0	0.0	0	0.0	0	0.0	0	0	0	0	14
—	—	—	—	—	—	—	—	—	—	15
4	136.0	0	0.0	0	0.0	0	0	0	38	16
0	0.0	0	0.0	0	0.0	0	0	0	61	17
4	30.0	0	0.0	0	0.0	0	0	0	18	18
0	0.0	0	0.0	0	0.0	0	0	0	3	19
0	0.0	0	0.0	0	0.0	0	0	0	11	20
0	0.0	0	0.0	197	3,549.3	0	0	0	935	21
0	0.0	0	0.0	0	0.0	2	0	2	22	22
0	0.0	0	0.0	0	0.0	0	0	0	0	23
6	638.2	0	0.0	20	372.0	0	0	0	47	24
—	—	—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	—	—	26
0	0.0	0	0.0	0	0.0	0	0	0	30	27
—	—	—	—	—	—	—	—	—	—	28
0	0.0	0	0.0	1,229	38,825.1	37	0	37	3,301	29
0	0.0	0	0.0	0	0.0	0	0	0	71	30
0	0.0	0	0.0	0	0.0	0	0	0	39	31
0	0.0	0	0.0	0	0.0	0	0	0	67	32
0	0.0	0	0.0	0	0.0	1	0	1	74	33
32	1,240.0	0	0.0	0	0.0	0	0	0	154	34
0	0.0	0	0.0	0	0.0	0	0	0	24	35
0	0.0	4	125.0	0	0.0	0	0	0	135	36
0	0.0	0	0.0	0	0.0	0	0	0	67	37
0	0.0	0	0.0	0	0.0	0	0	0	0	38
—	—	—	—	—	—	—	—	—	—	39
0	0.0	0	0.0	0	0.0	0	0	0	20	40

TABLE 4. (continued)
Housing Units Authorized in Virginia Localities, Fourth Quarter, 1987

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
41	Halifax (2)	0	0.0	0	0.0	0	0.0	0	0.0
42	Hanover	235	13,354.7	0	0.0	235	13,354.7	235	13,354.7
43	Henrico	654	29,910.7	0	0.0	654	29,910.7	495	27,297.3
44	Henry	30	1,762.3	0	0.0	30	1,762.3	30	1,762.3
45	Highland (RA)	—	—	—	—	—	—	—	—
46	Isle of Wight (2)	0	0.0	0	0.0	0	0.0	0	0.0
47	James City	162	21,709.2	0	0.0	162	21,709.2	103	19,454.2
48	King and Queen (RA)	—	—	—	—	—	—	—	—
49	King George	100	4,534.3	12	NA	88	4,534.3	38	2,801.9
50	King William	27	1,297.5	0	0.0	27	1,297.5	27	1,297.5
51	Lancaster	38	2,988.2	8	163.9	30	2,824.3	30	2,824.3
52	Lee	16	572.1	0	0.0	16	572.1	16	572.1
53	Loudoun	204	12,806.6	0	0.0	204	12,806.6	202	12,737.7
54	Louisa	111	4,046.2	0	0.0	111	4,046.2	103	3,876.4
55	Lunenburg (RA)	—	—	—	—	—	—	—	—
56	Madison	16	785.7	3	53.9	13	731.8	11	653.8
57	Mathews (RA)	—	—	—	—	—	—	—	—
58	Mecklenburg	21	1,272.1	0	0.0	21	1,272.1	21	1,272.1
59	Middlesex (RA)	—	—	—	—	—	—	—	—
60	Montgomery (5)	142	6,449.3	0	0.0	142	6,449.3	74	4,678.2
61	Nelson	25	4,312.8	0	0.0	25	4,312.8	25	4,312.8
62	New Kent	31	1,769.0	0	0.0	31	1,769.0	31	1,769.0
63	Northampton (RA)	—	—	—	—	—	—	—	—
64	Northumberland	45	2,939.8	10	271.5	35	2,668.3	35	2,668.3
65	Nottoway (RA)	—	—	—	—	—	—	—	—
66	Orange	58	3,509.1	7	NA	51	3,509.1	39	3,028.3
67	Page	57	1,683.5	23	283.2	34	1,400.2	34	1,400.2
68	Patrick	52	1,059.0	38	443.0	14	616.0	14	616.0
69	Pittsylvania	77	3,576.1	0	0.0	77	3,576.1	58	3,239.1
70	Powhatan	27	1,705.0	0	0.0	27	1,705.0	27	1,705.0
71	Prince Edward (RA)	—	—	—	—	—	—	—	—
72	Prince George	47	2,701.8	0	0.0	47	2,701.8	47	2,701.8
73	Prince William (6)	698	40,776.9	0	0.0	698	40,776.9	582	38,002.9
74	Pulaski (7)	24	1,331.1	0	0.0	24	1,331.1	24	1,331.1
75	Rappahannock	13	616.0	1	NA	12	616.0	12	616.0
76	Richmond	25	656.5	15	112.4	10	544.1	10	544.1
77	Roanoke	93	5,430.3	0	0.0	93	5,430.3	93	5,430.3
78	Rockbridge (RA)	—	—	—	—	—	—	—	—
79	Rockingham	78	5,197.0	0	0.0	78	5,197.0	54	3,897.0
80	Russell (1)	18	750.0	0	0.0	18	750.0	18	750.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	0	41
0	0.0	0	0.0	0	0.0	1	0	1	234	42
0	0.0	3	91.6	156	2,521.8	18	0	18	636	43
0	0.0	0	0.0	0	0.0	1	0	1	29	44
—	—	—	—	—	—	—	—	—	—	45
0	0.0	0	0.0	0	0.0	0	0	0	0	46
6	353.1	0	0.0	53	1,901.9	6	0	6	156	47
—	—	—	—	—	—	—	—	—	—	48
4	102.6	46	1,629.8	0	0.0	1	0	1	99	49
0	0.0	0	0.0	0	0.0	0	0	0	27	50
0	0.0	0	0.0	0	0.0	0	0	0	38	51
0	0.0	0	0.0	0	0.0	0	0	0	16	52
2	68.9	0	0.0	0	0.0	0	0	0	204	53
0	0.0	8	169.9	0	0.0	0	0	0	111	54
—	—	—	—	—	—	—	—	—	—	55
2	78.0	0	0.0	0	0.0	0	0	0	16	56
—	—	—	—	—	—	—	—	—	—	57
0	0.0	0	0.0	0	0.0	0	0	0	21	58
—	—	—	—	—	—	—	—	—	—	59
0	0.0	0	0.0	68	1,771.1	1	0	1	141	60
0	0.0	0	0.0	0	0.0	0	0	0	25	61
0	0.0	0	0.0	0	0.0	0	0	0	31	62
—	—	—	—	—	—	—	—	—	—	63
0	0.0	0	0.0	0	0.0	0	0	0	45	64
—	—	—	—	—	—	—	—	—	—	65
0	0.0	0	0.0	12	480.8	0	0	0	58	66
0	0.0	0	0.0	0	0.0	0	0	0	57	67
0	0.0	0	0.0	0	0.0	0	0	0	52	68
0	0.0	4	72.0	15	265.0	0	0	0	77	69
0	0.0	0	0.0	0	0.0	0	0	0	27	70
—	—	—	—	—	—	—	—	—	—	71
0	0.0	0	0.0	0	0.0	0	0	0	47	72
0	0.0	0	0.0	116	2,774.0	4	0	4	694	73
0	0.0	0	0.0	0	0.0	1	0	1	23	74
0	0.0	0	0.0	0	0.0	2	0	2	11	75
0	0.0	0	0.0	0	0.0	0	0	0	25	76
0	0.0	0	0.0	0	0.0	3	0	3	90	77
—	—	—	—	—	—	—	—	—	—	78
0	0.0	0	0.0	24	1,300.0	0	0	0	78	79
0	0.0	0	0.0	0	0.0	0	0	0	18	80

TABLE 4. (continued)
Housing Units Authorized in Virginia Localities, Fourth Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
81	Scott	33	1,157.5	0	0.0	33	1,157.5	33	1,157.5
82	Shenandoah	121	4,536.8	0	0.0	121	4,536.8	60	3,522.8
83	Smyth	15	720.0	0	0.0	15	720.0	15	720.0
84	Southampton (2)	0	0.0	0	0.0	0	0.0	0	0.0
85	Spotsylvania	457	36,306.6	0	0.0	457	36,306.6	457	36,306.6
86	Stafford	300	22,583.4	0	0.0	300	22,583.4	300	22,583.4
87	Surry	19	346.9	14	164.9	5	182.0	5	182.0
88	Sussex (8)	15	208.2	13	63.2	2	145.0	2	145.0
89	Tazewell	29	1,464.7	0	0.0	29	1,464.7	24	1,248.7
90	Warren	78	4,053.3	2	30.1	76	4,023.2	76	4,023.2
91	Washington	41	1,314.1	0	0.0	41	1,314.1	37	1,212.4
92	Westmoreland	42	2,011.6	17	222.1	25	1,789.5	25	1,789.5
93	Wise (9)	23	935.1	0	0.0	23	935.1	23	935.1
94	Wythe (2)	0	0.0	0	0.0	0	0.0	0	0.0
95	York	81	6,892.3	0	0.0	81	6,892.3	73	6,432.3
	CITIES								
96	Alexandria (8)	652	27,104.7	0	0.0	652	27,104.7	4	955.0
97	Bedford	8	177.0	1	NA	7	177.0	1	40.0
98	Bristol	14	515.8	0	0.0	14	515.8	14	515.8
99	Buena Vista (2)	0	0.0	0	0.0	0	0.0	0	0.0
100	Charlottesville	11	412.0	0	0.0	11	412.0	3	207.0
101	Chesapeake	782	38,289.6	0	0.0	782	38,289.6	387	28,969.4
102	Clifton Forge (1)	1	18.2	0	0.0	1	18.2	1	18.2
103	Colonial Heights	14	627.3	0	0.0	14	627.3	14	627.3
104	Covington	0	0.0	0	0.0	0	0.0	0	0.0
105	Danville	5	425.0	0	0.0	5	425.0	5	425.0
106	Emporia	2	135.0	0	0.0	2	135.0	2	135.0
107	Fairfax	0	0.0	0	0.0	0	0.0	0	0.0
108	Falls Church	1	150.0	0	0.0	1	150.0	1	150.0
109	Franklin (2)	0	0.0	0	0.0	0	0.0	0	0.0
110	Fredericksburg	11	366.0	0	0.0	11	366.0	11	366.0
111	Galax (RA)	—	—	—	—	—	—	—	—
112	Hampton	154	7,453.2	0	0.0	154	7,453.2	149	7,258.2
113	Harrisonburg	100	5,124.7	0	0.0	100	5,124.7	26	2,674.7
114	Hopewell	10	271.5	0	0.0	10	271.5	8	210.7
115	Lexington (RA)	—	—	—	—	—	—	—	—

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	33	81
26	364.0	0	0.0	35	650.0	0	0	0	121	82
0	0.0	0	0.0	0	0.0	0	0	0	15	83
0	0.0	0	0.0	0	0.0	0	0	0	0	84
0	0.0	0	0.0	0	0.0	0	0	0	457	85
0	0.0	0	0.0	0	0.0	1	0	1	299	86
0	0.0	0	0.0	0	0.0	1	0	1	18	87
0	0.0	0	0.0	0	0.0	0	0	0	15	88
0	0.0	0	0.0	5	216.0	0	0	0	29	89
0	0.0	0	0.0	0	0.0	2	0	2	76	90
0	0.0	4	101.8	0	0.0	0	0	0	41	91
0	0.0	0	0.0	0	0.0	0	0	0	42	92
0	0.0	0	0.0	0	0.0	0	0	0	23	93
0	0.0	0	0.0	0	0.0	0	0	0	0	94
0	0.0	8	460.0	0	0.0	1	0	1	80	95
0	0.0	0	0.0	648	26,149.7	0	0	0	652	96
6	137.0	0	0.0	0	0.0	2	0	2	6	97
0	0.0	0	0.0	0	0.0	1	0	1	13	98
0	0.0	0	0.0	0	0.0	0	0	0	0	99
8	205.0	0	0.0	0	0.0	3	0	3	8	100
6	204.0	0	0.0	389	9,116.2	17	0	17	765	101
0	0.0	0	0.0	0	0.0	0	0	0	1	102
0	0.0	0	0.0	0	0.0	2	0	2	12	103
0	0.0	0	0.0	0	0.0	2	0	2	–2	104
0	0.0	0	0.0	0	0.0	11	0	11	–6	105
0	0.0	0	0.0	0	0.0	2	0	2	0	106
0	0.0	0	0.0	0	0.0	1	0	1	–1	107
0	0.0	0	0.0	0	0.0	0	0	0	1	108
0	0.0	0	0.0	0	0.0	0	0	0	0	109
0	0.0	0	0.0	0	0.0	0	0	0	11	110
—	—	—	—	—	—	—	—	—	—	111
0	0.0	0	0.0	5	195.0	4	0	4	150	112
0	0.0	12	310.0	62	2,140.0	0	0	0	100	113
2	60.8	0	0.0	0	0.0	4	0	4	6	114
—	—	—	—	—	—	—	—	—	—	115

TABLE 4. (continued)
Housing Units Authorized in Virginia Localities, Fourth Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES (continued)								
116	Lynchburg	35	1,851.0	0	0.0	35	1,851.0	15	1,319.0
117	Manassas	58	3,692.7	0	0.0	58	3,692.7	58	3,692.7
118	Manassas Park	0	0.0	0	0.0	0	0.0	0	0.0
119	Martinsville	11	449.0	0	0.0	11	449.0	5	312.0
120	Newport News	314	11,995.1	0	0.0	413	11,995.1	186	8,849.5
121	Norfolk	420	8,063.9	0	0.0	420	8,063.9	35	2,216.6
122	Norton	8	NA	8	NA	0	0.0	0	0.0
123	Petersburg	6	125.0	0	0.0	6	125.0	4	105.0
124	Poquoson	9	836.7	0	0.0	9	836.7	9	836.7
125	Portsmouth	93	3,002.4	0	0.0	93	3,002.4	37	2,059.0
126	Radford	36	1,173.0	3	25.0	33	1,148.0	5	471.1
127	Richmond	60	4,926.5	0	0.0	60	4,926.5	60	4,926.5
128	Roanoke	150	5,725.0	0	0.0	150	5,725.0	28	1,350.0
129	Salem	23	1,411.5	0	0.0	23	1,411.5	18	1,209.1
130	South Boston	3	321.7	0	0.0	3	321.7	3	321.7
131	Staunton (RA)	—	—	—	—	—	—	—	—
132	Suffolk	157	6,880.9	0	0.0	157	6,880.9	69	4,667.2
133	Virginia Beach	1,042	52,303.8	0	0.0	1,042	52,303.8	622	45,423.8
134	Waynesboro (2)	0	0.0	0	0.0	0	0.0	0	0.0
135	Williamsburg	11	1,997.1	0	0.0	11	1,997.1	11	1,997.1
136	Winchester	36	2,619.0	0	0.0	36	2,619.0	28	2,419.0
	PLANNING DISTRICTS								
137	LENOWISCO	80	2,664.7	8	NA	72	2,664.7	72	2,664.7
138	Cumberland Plateau	55	2,538.2	0	0.0	55	2,538.2	50	2,322.2
139	Mount Rogers	88	3,349.1	0	0.0	88	3,349.1	80	3,217.4
140	New River Valley	265	9,528.4	53	25.0	212	9,503.4	116	7,055.4
141	Fifth	282	12,886.2	12	144.2	270	12,742.0	143	8,164.6
142	Central Shenandoah	266	16,776.0	0	0.0	266	16,776.0	168	13,026.0
143	Lord Fairfax	470	23,152.7	25	313.3	445	22,839.3	344	20,385.3
144	Northern Virginia	5,006	316,256.4	0	0.0	5,006	316,256.4	3,011	248,438.6
145	Rappahannock–Rapidan	205	15,152.8	11	53.9	194	15,098.9	154	13,529.9
146	Thomas Jefferson	348	24,752.8	3	NA	345	24,752.8	299	23,320.0
147	Central Virginia	385	6,079.0	149	418.9	236	5,660.1	182	4,855.1
148	West Piedmont	250	12,124.1	38	443.0	212	11,681.1	187	11,207.1
149	Southside	69	2,690.0	38	683.4	31	2,006.6	31	2,006.6
150	Piedmont	11	446.9	0	0.0	11	446.9	11	446.9
151	Richmond Regional	2,012	104,298.2	0	0.0	2,012	104,298.2	1,656	98,135.4

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
8	232.0	0	0.0	12	300.0	8	0	8	27	116
0	0.0	0	0.0	0	0.0	0	0	0	58	117
0	0.0	0	0.0	0	0.0	0	0	0	0	118
2	32.0	4	105.0	0	0.0	3	0	3	8	119
6	383.0	4	92.3	118	2,670.2	13	0	13	301	120
52	1,032.3	48	957.0	285	3,858.0	126	0	126	294	121
0	0.0	0	0.0	0	0.0	0	0	0	8	122
2	20.0	0	0.0	0	0.0	13	0	13	–7	123
0	0.0	0	0.0	0	0.0	1	0	1	8	124
8	199.5	0	0.0	48	744.0	12	0	12	81	125
0	0.0	0	0.0	28	676.9	2	0	2	34	126
0	0.0	0	0.0	0	0.0	7	0	7	53	127
4	75.0	7	140.0	111	4,160.0	17	0	17	133	128
0	0.0	0	0.0	5	202.4	0	0	0	23	129
0	0.0	0	0.0	0	0.0	1	0	1	2	130
—	—	—	—	—	—	—	—	—	—	131
22	526.0	6	217.0	60	1,470.7	17	0	17	140	132
20	1,430.0	0	0.0	400	5,450.0	33	0	33	1,009	133
0	0.0	0	0.0	0	0.0	0	0	0	0	134
0	0.0	0	0.0	0	0.0	1	0	1	10	135
0	0.0	0	0.0	8	200.0	3	0	3	33	136
0	0.0	0	0.0	0	0.0	0	0	0	80	137
0	0.0	0	0.0	5	216.0	0	0	0	55	138
4	30.0	4	101.8	0	0.0	1	0	1	87	139
0	0.0	0	0.0	96	2,448.0	4	0	4	261	140
4	75.0	7	140.0	116	4,362.4	23	0	23	259	141
0	0.0	12	310.0	86	3,440.0	3	0	3	263	142
58	1,604.0	0	0.0	43	850.0	7	0	7	463	143
2	68.9	0	0.0	1,993	67,748.8	96	0	96	4,910	144
8	716.2	0	0.0	32	852.8	2	0	2	203	145
8	205.0	8	169.9	30	1,058.0	3	0	3	345	146
18	505.0	24	NA	12	300.0	10	0	10	375	147
2	32.0	8	177.0	15	265.0	16	0	16	234	148
0	0.0	0	0.0	0	0.0	1	0	1	68	149
0	0.0	0	0.0	0	0.0	0	0	0	11	150
0	0.0	3	91.6	353	6,071.1	26	0	26	1,986	151

TABLE 4. (continued)
Housing Units Authorized in Virginia Localities, Fourth Quarter, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	PLANNING DISTRICTS (continued)								
152	RADCO	929	66,643.4	12	NA	917	66,643.4	867	64,911.0
153	Northern Neck	150	8,596.1	50	769.9	100	7,826.2	100	7,826.2
154	Middle Peninsula	162	11,994.8	0	0.0	162	11,994.8	158	11,869.8
155	Crater	163	6,395.2	41	427.1	122	5,968.1	118	5,887.3
156	Southeastern Virginia	2,494	108,540.6	0	0.0	2,494	108,540.6	1,150	83,336.0
157	Peninsula	731	50,883.6	0	0.0	731	50,883.6	531	44,828.0
158	Accomack–Northampton	57	3,183.7	0	0.0	57	3,183.7	49	2,953.7
159	VIRGINIA	14,478	808,932.9	440	3,278.7	14,038	805,654.1	9,477	680,387.2

(RA)	Reports annually.
NA	Data not available.
(1)	Reported 10 months.
(2)	Reported 6 months.
(3)	Reported 8 months.
(4)	Reported 5 months.
(5)	Blacksburg Town reported 7 months. The balance of Montgomery County reported 12 months.
(6)	Occoquan Town reported 11 months. The balance of Prince William County reported 12 months.
(7)	Dublin Town reported 11 months. The balance of Pulaski County reported 12 months.
(8)	Reported 11 months.
(9)	St. Paul Town reported 8 months. The balance of Wise County reported 12 months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	
Number	$000	Number	$000	Number	$000	Private	Public	Total		Line
4	102.6	46	1,629.8	0	0.0	2	0	2	927	152
0	0.0	0	0.0	0	0.0	0	0	0	150	153
0	0.0	4	125.0	0	0.0	0	0	0	162	154
4	80.8	0	0.0	0	0.0	22	0	22	141	155
108	3,391.8	54	1,174.0	1,182	20,638.9	205	0	205	2,289	156
12	736.1	12	552.3	176	4,767.1	26	0	26	705	157
8	230.0	0	0.0	0	0.0	0	0	0	57	158
240	7,777.4	182	4,471.4	4,139	113,018.1	447	0	447	14,031	159

VIRGINIA PLANNING DISTRICTS

1 **LENOWISCO**

Norton City
Lee County
Scott County
Wise County

2 **Cumberland Plateau**

Buchanan County
Dickenson County
Russell County
Tazewell County

3 **Mount Rogers**

Bristol City
Galax City
Bland County
Carroll County
Grayson County
Smyth County
Washington County
Wythe County

4 **New River Valley**

Radford City
Floyd County
Giles County
Montgomery County
Pulaski County

5 **Fifth**

Clifton Forge City
Covington City
Roanoke City
Salem City
Alleghany County
Botetourt County
Craig County
Roanoke County

6 **Central Shenandoah**

Buena Vista City
Harrisonburg City
Lexington City
Staunton City
Waynesboro City
Augusta County
Bath County
Highland County
Rockbridge County
Rockingham County

7 **Lord Fairfax**

Winchester City
Clarke County
Frederick County
Page County
Shenandoah County
Warren County

8 **Northern Virginia**

Alexandria City
Fairfax City
Falls Church City
Manassas City
Manassas Park City
Arlington County
Fairfax County
Loudoun County
Prince William County

9 **Rappahannock-Rapidan**

Culpeper County
Fauquier County
Madison County
Orange County
Rappahannock County

10 **Thomas Jefferson**

Charlottesville City
Albemarle County
Fluvanna County
Greene County
Louisa County
Nelson County

11 **Central Virginia**

Bedford City
Lynchburg City
Amherst County
Appomattox County
Bedford County
Campbell County

12 **West Piedmont**

Danville City
Martinsville City
Franklin County
Henry County
Patrick County
Pittsylvania County

13 **Southside**

South Boston City
Brunswick County
Halifax County
Mecklenburg County

14 **Piedmont**

Amelia County
Buckingham County
Charlotte County
Cumberland County
Lunenburg County
Nottoway County
Prince Edward County

VIRGINIA PLANNING DISTRICTS (continued)

15 Richmond Regional

Richmond City
Charles City County
Chesterfield County
Goochland County
Hanover County
Henrico County
New Kent County
Powhatan County

16 RADCO

Fredericksburg City
Caroline County
King George County
Spotsylvania County
Stafford County

17 Northern Neck

Lancaster County
Northumberland County
Richmond County
Westmoreland County

18 Middle Peninsula

Essex County
Gloucester County
King and Queen County
King William County
Mathews County
Middlesex County

19 Crater

Colonial Heights City
Emporia City
Hopewell City
Petersburg City
Dinwiddie County
Greensville County
Prince George County
Surry County
Sussex County

20 Southeastern Virginia

Chesapeake City
Franklin City
Norfolk City
Portsmouth City
Suffolk City
Virginia Beach City
Isle of Wight County
Southampton County

21 Peninsula

Hampton City
Newport News City
Poquoson City
Williamsburg City
James City County
York County

22 Accomack-Northampton

Accomack County
Northampton County

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Housing Units Authorized in Virginia's Counties and Cities:

Annual, 1987

Michael A. Spar

Julia H. Martin

Center for Public Service

University of Virginia

August 1988

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FOREWORD

The Center for Public Service is pleased to present the latest report in its series, *Housing Units Authorized in Virginia's Counties and Cities.*

Produced by the Center's Demographic Section, this series began in 1970 as an annual report. In 1976 the series was made quarterly. Reports in the series now appear three times a year, with two issues covering quarterly activity and an annual summary. In addition to data for counties and independent cities, *Housing Units Authorized* presents totals for each of the state's twenty-two planning districts.

The Demographic Section wishes to thank the following individuals for their assistance in collecting the permit data presented in this report: Glen Skinner, LENOWISCO Planning District Commission; Sally Morgan, Mount Rogers Planning District Commission; Helen Smithers, FIFTH Planning District Commission; William Vaughn, Central Shenandoah Planning District Commission; Gordon Jones, Rappahannock-Rapidan Planning District Commission; Mathew Montavon, Central Virginia Planning District Commission; Robert Dowd, West Piedmont Planning District Commission; Gail Moody, Southside Planning District Commission; Jeff Huber, Northern Neck Planning District Commission; Joe Vinsh, Crater Planning District Commission; Claudia Benjamin Gooch, Southeastern Virginia Planning District Commission; C. Earl Hillard, Page County Building Official; Neville H. Derflinger, Jr., Warren County Building Official.

Several staff members at the Center for Public Service assisted the authors in preparing this study. George E. Barnes and Sandra H. Wiley edited the report. Barry A. Jackson designed the layout.

We hope readers will find this report to be a useful source of information on building activity in the state, and we will be pleased to answer questions about the data.

James A. (Dolph) Norton
Director, Center for Public Service
University of Virginia

Charlottesville
August 1988

SUMMARY

Virginia's construction industry performed at above-average rates during 1987, although not at the same high level reached in 1986. During 1987 permits for nearly 69,000 residential housing units were issued statewide, about 5 percent above the 1982-86 average. About 46,000 permits for single-family units were issued, nearly 10 percent above the five-year average.

The total value of all residential permits issued was $3.7 billion in current dollars, or $3.2 billion in constant 1982 dollars. This is the second-highest total recorded since 1970, when we began analyzing housing trends; only 1986 produced a higher total.

Residential construction was concentrated in five of the state's twenty-two planning districts: Northern Virginia, Southeastern Virginia, Richmond Regional, Peninsula, and RADCO. These five planning districts combined issued over 50,000 permits, about three-fourths of the state total.

Eleven localities issued over 1,000 residential building permits during the year, led by Fairfax County with 8,557. Chesterfield County, Prince William County, Virginia Beach City, and Henrico County each issued over 2,000 permits. On the other hand, only four localities issued over 1,000 permits for residential units in multi-unit structures. These were Fairfax County, Prince William County, Norfolk City, and Alexandria City.

Nonresidential construction set new records during 1987. The total of 10,903 permits issued was the highest number recorded since 1980, as was the aggregate value of these permits—$1.98 billion dollars.

Four categories of building types accounted for the majority of all nonresidential construction. Permits issued for offices, banks, and professional buildings had an aggregate value of nearly $1 billion; permits for stores and mercantile buildings were worth over $500 million; church, hospital, and school construction was worth $170 million; and permits issued for industrial buildings were valued at about $140 million.

The geographic concentration of nonresidential construction was even more pronounced than for residential construction. Three planning districts, Northern Virginia, Southeastern Virginia, and Richmond Regional, accounted for over 70 percent of the total state value of all nonresidential construction.

Fairfax County led the state in the construction of new office, bank, and professional buildings, issuing permits valued at $500 million. Another fifteen localities issued permits valued at $5 million or more. In the category of new stores and mercantile buildings, twenty-one localities issued permits worth over $5 million. Fairfax County led the state, issuing permits valued at over $200 million, followed by Virginia Beach City at $38 million.

Only five jurisdictions issued permits valued at $5 million or more for new church, hospital, or school buildings. Winchester City led the state in this category, issuing permits valued at $55 million. Six localities issued over $5 million worth of permits for industrial buildings, led by Rockingham County at $22 million.

ANALYSIS

Introduction

Building activity is one of the most frequently used indicators of economic and demographic change. Presently, the number of housing units authorized by local building permits is the best measure of housing starts available for Virginia's counties and independent cities. Most of the information contained in this report is supplied by local building officials to the Construction Division of the U.S. Bureau of the Census. The Bureau, in turn, forwards the data to the Center for Public Service where they are tabulated and compiled. For about forty of the state's smallest localities building permit statistics are collected by the planning district directly from local building officials, and then forwarded to the Center for tabulation.

In this report, tables 1 and 2 give annual totals for the value of residential and nonresidential construction in the state. The number of residential building permits issued for housing units in Virginia counties, cities, and planning districts for 1987 is presented in Table 3. Table 4 presents data on permits issued for nonresidential construction during the year. Readers should carefully note that, unlike the data in Table 3, the permit totals in Table 4 are for buildings, rather than for units. Tables 5 and 6 provide historical data for the period from 1980 to 1986.

The nonresidential building categories in Table 4 include the following:

- **Amusement and recreational buildings**
  include theaters, radio and television studios, auditoriums, arenas, bowling alleys, skating rinks, indoor swimming pools, and gymnasiums.
- **Church, hospital, and school buildings**
  include churches, synagogues, rectories, Sunday school rooms, monasteries; general, TB, and mental hospitals and sanatoriums, health centers, clinics, rest homes, orphanages, homes for the aged, and nursing homes; penitentiaries, jails, reformatories; schools, colleges, seminaries, libraries, museums, observatories, and dormitories.
- **Industrial buildings**
  include plants producing, processing, and assembling goods and materials, plus affiliated buildings such as warehouses and administration buildings.
- **Parking garages**
  include garage buildings and open-deck parking structures. This category does not include parking lots or residential garages and carports.
- **Service stations and repair garages**
  include automobile repair shops.
- **Office, bank, and professional buildings**
  include buildings designed for doctors' offices and related services, chambers of commerce, public administration buildings such as post offices, city halls, court houses, and federal offices.
- **Public work and utilities buildings**
  include plants providing public services, such as transportation, communication, power,

TABLE 1.
Aggregate Residential Construction Costs, Virginia: 1970–1987

Year	Value of Construction in Current Dollars (in Millions $)	Department of Commerce Composite Cost Index	Deflated Value of Construction in Constant 1982 Dollars (in Millions $)
1970	544.7	35.7	1,525.8
1971	1,023.0	37.7	2,713.5
1972	1,237.2	40.1	3,085.3
1973	1,332.9	43.9	3,036.2
1974	879.7	48.4	1,817.6
1975	838.9	52.8	1,588.8
1976	1,003.8	56.6	1,773.5
1977	1,564.5	63.2	2,475.5
1978	1,703.2	72.3	2,355.7
1979	1,617.3	81.7	1,979.6
1980	1,357.3	90.6	1,498.1
1981	1,134.8	97.7	1,161.5
1982	1,260.3	100.0	1,260.3
1983	2,257.8	102.6	2,200.6
1984	2,601.8	106.4	2,445.3
1985	3,018.9	109.6	2,754.5
1986	3,770.9	111.8	3,372.9
1987	3,660.4	114.4	3,199.7

SOURCES: Department of Commerce Composite Cost Index from *Construction Review* 33 (March–April 1988), Table E–1; annual data from previous editions of *Housing Units Authorized*.

NOTE: Deflated value = current value x (100 / index value)

light, heat, water supply, sewage and garbage disposal, and trash incineration.

- **Stores and mercantile buildings** include buildings used in buying, selling, distributing, and storing merchandise and materials, or performing consumer services.

- **Other nonresidential buildings** include boathouses, burial crypts, farm buildings such as barns and silos, pumphouses, as well as government-owned buildings such as armories, military barracks, police and fire stations, and convention centers.

We are continuing the policy of not publishing data imputed by the Census Bureau. Localities that did not file a complete set of monthly reports are identified by footnotes in tables 3 and 4. In January 1987 the Census Bureau stopped collecting information on mobile homes; this is why most localities are listed as having issued no mobile home permits. The Center for Public Service continues to collect mobile home data for some localities, but these data should be interpreted cautiously, since it has come to our attention that many localities do not distinguish between new mobile homes and mobile homes that are relocating within the locality.

The cost figures reported here are estimated construction costs submitted by the builders and often exclude land acquisition costs or the builders' profit margin. Additionally, the Census Bureau estimates that nationwide underestimation of costs on construction itself (i.e., materials and

TABLE 2.
Aggregate Nonresidential Construction Costs, Virginia: 1980–1987

Year	Value of Construction in Current Dollars (in Millions $)	Boeckh Index for Commercial and Factory Buildings	Deflated Value of Construction in Constant 1982 Dollars (in Millions $)
1980	664.9	84.1	790.6
1981	781.6	92.2	847.7
1982	790.4	100.0	790.4
1983	1,013.6	105.3	962.6
1984	1,242.8	109.4	1,136.0
1985	1,425.5	111.3	1,280.8
1986	1,855.1	113.2	1,638.8
1987	1,976.6	115.1	1,717.3

SOURCES: Boeckh Index from U.S. Department of Commerce, *Construction Review* 33 (March–April 1988), Table E–1; annual data from previous editions of *Housing Units Authorized*.

NOTES: The Boeckh Index is an independent index of construction costs compiled by The American Appraisal Company, Inc. Deflated value = current value x (100 / index value).

labor) runs from about 17.5 percent for single units, to about 30 percent for structures of two to four units, to more than 50 percent for structures of five or more units. The figures for average cost per unit, therefore, do not represent an estimate of the price of housing to the consumer. Despite these limitations, construction costs constitute a large proportion of the total market cost of housing, and thus the reported figures provide an important means of comparison among localities and for one area over time.

Data on the number of permits issued are considerably more reliable than the data for costs. The Census Bureau considers its estimates of housing authorizations in Virginia to be accurate to within plus or minus 1 percent.

Statewide Residential Trends

During 1987, 68,842 residential building permits were issued in Virginia, about 19 percent fewer than during 1986 (a record year), but about 5 percent above the 1982-1986 average of 65,471 permits per year (see Figure 1). Part of this decline can be attributed to the absence of mobile home data this year, as explained in the introduction. If mobile home permits are removed from both the 1986 and 1987 counts, the annual decline is reduced by nearly half—from 18.9 percent to 9.5 percent.

The aggregate value of all residential units issued during 1987 was $3.7 billion in current dollars, the third consecutive year exceeding the $3 billion mark, and the second-highest yearly total since we began tabulating permit data in 1970 (see Table 1). The 1987 total of $3.7 billion converts to about $3.2 billion in constant 1982 dollars, just under the previous year's record total of $3.4 billion. Average costs per unit rose sharply during 1987, increasing by 18.5 percent over 1986, from $44,868 to $53,170 (see Figure 2).

The number of permits issued for single family units, which make up the majority of all permits, decreased 15.6 percent between 1986 and 1987, from 54,100 to 45,651 units. Still, the number of single-family unit permits issued during 1987 was about 9.6 percent above the 1982-1986 average of 41,659 units per year. The average cost of a single-family unit increased substantially over 1986, rising 16.1 percent, from $57,113 to $66,297 per unit.

Virginia's construction industry fared about as well as the entire nation in issuing permits for

FIGURE 1.
Number of Permits Issued,
1970–1987

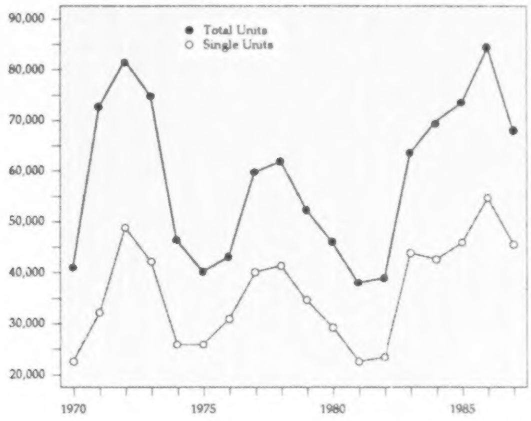
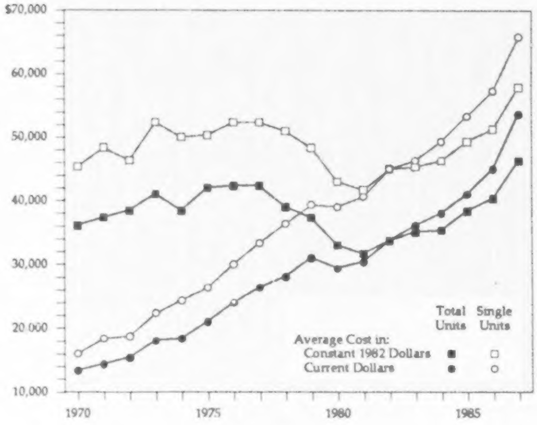


FIGURE 2.
Average Value of Permits Per Unit,
1970–1987



all unit types combined. During 1987, 1.52 million permits were issued in the U.S., compared to 1.75 million in 1986, a decline of 12.9 percent. In Virginia the decline was 9.5 percent (excluding mobile home permits). For single-family units, however, the national statistics are much better than those for the Commonwealth. Nationally, single-family unit permits fell from 1.07 million in 1986 to 1.03 million in 1987, a decrease of less than 4 percent. For Virginia the decline was much greater, 15.6 percent.

A significant proportion of all building permits issued in the Commonwealth was concentrated in just five of the state's twenty-two planning districts (PDs). The Northern Virginia PD, which includes Fairfax County and other localities near Washington, D.C., led the state with 23,784 permits issued, equal to nearly 35 percent of all permits issued statewide. The Southeastern Virginia PD, which includes Virginia Beach City and surrounding jurisdictions, ranked second with 9,751 permits —14.2 percent of the state total. The Richmond Regional PD, which includes Richmond City and its surrounding suburban localities, issued 9,045 permits—13.1 percent of the state total. Peninsula PD, which includes Hampton and Newport News cities, was in fourth place with 4,422 permits, about 6 percent of the state total. RADCO PD, which includes the area around Fredericksburg City, issued 3,465 permits, 5 percent of the state total. Combined, these five PDs accounted for 50,467 residential permits, about three-fourths of all permits issued in Virginia.

Eleven localities issued one thousand or more residential building permits for single-family units. Fairfax County issued the greatest number—8,557. Following Fairfax were Chesterfield County (3,337), Prince William County (2,808), Virginia Beach City (2,697), Henrico County (2,076), Chesapeake City (1,957), Spotsylvania County (1,652), Loudoun County (1,280), Hanover County (1,115), Stafford County (1,101), and Newport News City (1,088).

Only four localities issued as many as one thousand residential building permits for units is multi-unit structures. Fairfax County led the state with 4,690 permits. Prince William County ranked second with 2,277, Norfolk City was third with 1,490, and Alexandria City issued 1,398.

Statewide Nonresidential Trends

Residential permit activity is often seen as indicative of the attractiveness of a locality to individuals and families. The statistics presented in this report on nonresidential building activity may be similarly interpreted as indicating a locality's attractiveness to the business community. There is, quite naturally, a significant degree of overlap between the location of residential and nonresidential building activity, with population converging around business locations, and businesses decentralizing to move closer to consumers and the labor force.

During 1987 10,903 permits for nonresidential buildings were issued, a small increase over the 10,698 permits issued during 1986. The current dollar value of these permits was $1.98 billion, an increase of 6.5 percent over the previous year (see Table 2). In constant 1982 dollars the 1987 total is $1.72 billion, the highest recorded figure since we began tabulating nonresidential building permits in 1980.

In analyzing nonresidential construction by building type one finds large disparities between the number of permits issued in a particular category and the dollar value for that same category. For example, most building permits are issued in the "other" nonresidential building category, which includes such structures as barns, silos, pump houses, and certain types of government-owned buildings. In 1987 nearly two-thirds of all permits issued were in this category, but the aggregate value of these permits equaled only 4.1 percent of the state total. By way of contrast, the category "office, bank, and professional buildings" accounted for less than 10 percent of the total number of permits issued, but their aggregate value was 46 percent of the state total.

Based on dollar volume, office, bank, and professional buildings ranked first with an aggregate value of $910 million, an increase of 6.1 percent over their 1986 value. This category was followed by stores and mercantile buildings at $534 million, up 27 percent over 1986. In third place were church, hospital, and school buildings, at $167 million, an increase of 13.1 percent over last year. Industrial buildings ranked fourth, with permits valued at $139 million, down nearly 50 percent from their 1986 value. Figure 3 shows the number of permits issued in each of these four nonresidential building categories annually from 1980 to 1987. Figure 4 shows the aggregate value of these permits in constant dollars. None of the other nonresidential building categories accounted for as much as five percent of total state value.

Nonresidential construction is even more highly concentrated in specific areas of the state than residential construction. Tabulated by value, nearly 52 percent of the state total for 1987 was located in the Northern Virginia PD, while 14.1 percent was in the Southeastern Virginia PD. The

FIGURE 3.
Number of Nonresidential Permits Issued, by Type, 1980–1987

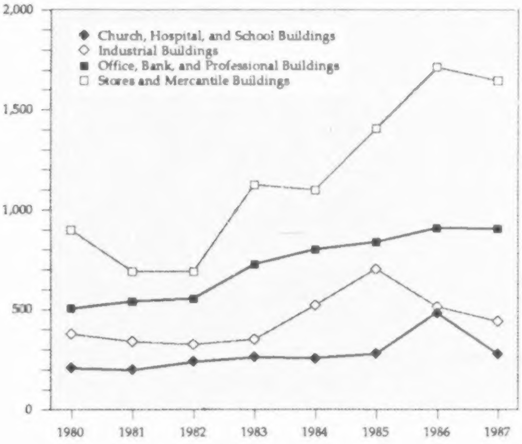
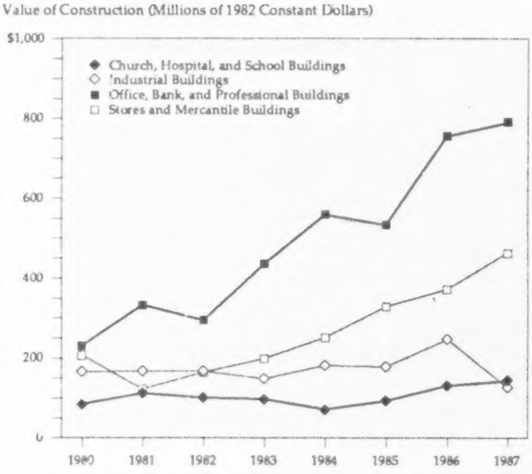


FIGURE 4.
Aggregate Value of Nonresidential Permits, by Type, 1980–1987



Richmond Regional PD contributed 11.1 percent of the state total. Combined, these three planning districts accounted for 71.4 percent of the total value of nonresidential construction in the state, but for only a third of the total number of permits issued.

Sixteen localities issued permits for over $5 million of construction of new office, bank, or professional buildings. The top five localities were Fairfax County ($487 million); Arlington County ($103 million); Henrico County ($36 million); Alexandria City ($35 million); and Richmond City ($32 million). Other localities with over $5 million, listed in descending order, included Chesterfield County, Chesapeake City, Virginia Beach City, Newport News City, Prince William County, Hanover County, Fairfax City, Norfolk City, Albemarle County, Prince George County, and Fauquier County.

Twenty-one localities issued permits valued at $5 million or more in the category of stores and mercantile buildings. The top five localities were Fairfax County ($204 million); Virginia Beach City ($38 million); Chesterfield County ($26 million); Henrico County ($19 million); and Prince William County ($19 million). Other localities that issued permits valued at over $5 million, listed in descending order, included Newport News City, Suffolk City, Hampton City, Chesapeake City, Montgomery County, Roanoke City, Stafford County, Harrisonburg City, Hanover County, Portsmouth City, Spotsylvania County, Augusta County, Williamsburg City, Lynchburg City, Rockingham County, and Norfolk City.

Only five jurisdictions issued permits valued at $5 million or more in the category of church, hospital, or school buildings. These were Winchester City ($55 million), Henrico County ($10 million), Newport News City ($7 million), Alexandria City ($7 million), and Franklin County ($5 million).

Lastly, six localities issued permits valued at $5 million or more in the category of industrial buildings. In order these were Rockingham County ($22 million), Prince William County ($11 million), Chesterfield County ($8 million), Newport News City ($6 million), Pittsylvania County ($6 million), and Smyth County ($6 million).

TABLE 3.
Housing Units Authorized in Virginia Localities, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack (1)	263	12,774.7	0	0.0	263	12,774.7	211	11,189.5
2	Albemarle	595	54,943.3	0	0.0	595	54,943.3	510	49,825.9
3	Alleghany	103	2,056.6	67	690.8	36	1,365.9	36	1,365.9
4	Amelia	60	2,727.3	0	0.0	60	2,727.3	60	2,727.3
5	Amherst	129	7,681.2	0	0.0	129	7,681.2	127	7,621.2
6	Appomattox	158	4,049.0	122	1,699.9	36	2,349.1	36	2,349.1
7	Arlington	910	59,025.9	0	0.0	910	59,025.9	243	18,973.9
8	Augusta (2)	448	29,267.2	0	0.0	448	29,267.2	448	29,267.2
9	Bath	25	2,035.8	0	0.0	25	2,035.8	25	2,035.8
10	Bedford	1,071	15,628.5	487	NA	584	15,628.5	511	14,928.5
11	Bland	73	1,939.6	45	444.1	28	1,495.5	28	1,495.5
12	Botetourt	257	14,499.0	27	NA	230	14,499.0	189	13,395.6
13	Brunswick	222	4,568.2	182	2,329.4	40	2,238.8	40	2,238.8
14	Buchanan	39	1,079.7	0	0.0	39	1,079.7	39	1,079.7
15	Buckingham	42	2,144.5	0	0.0	42	2,144.5	38	2,062.5
16	Campbell	244	12,651.4	0	0.0	244	12,651.4	170	10,932.4
17	Caroline (3)	213	11,465.2	0	0.0	213	11,465.2	213	11,465.2
18	Carroll	105	4,906.7	0	0.0	105	4,906.7	93	4,726.7
19	Charles City (4)	40	2,508.5	0	0.0	40	2,508.5	40	2,508.5
20	Charlotte	61	2,963.3	0	0.0	61	2,963.3	45	2,273.3
21	Chesterfield	3,938	199,565.4	0	0.0	3,938	199,565.4	3,337	188,460.2
22	Clarke	126	10,084.0	0	0.0	126	10,084.0	106	9,441.1
23	Craig (5)	34	NA	14	NA	20	NA	20	NA
24	Culpeper	453	26,346.9	0	0.0	453	26,346.9	360	22,739.3
25	Cumberland	30	1,309.1	0	0.0	30	1,309.1	30	1,309.1
26	Dickenson	27	742.7	0	0.0	27	742.7	27	742.7
27	Dinwiddie	139	6,327.3	0	0.0	139	6,327.3	139	6,327.3
28	Essex	37	3,114.7	0	0.0	37	3,114.7	37	3,114.7
29	Fairfax	13,247	786,160.6	0	0.0	13,247	786,160.6	8,557	639,026.4
30	Fauquier (6)	356	32,834.6	0	0.0	356	32,834.6	356	32,834.6
31	Floyd	160	2,470.8	105	NA	55	2,470.8	55	2,470.8
32	Fluvanna	252	15,691.6	14	NA	238	15,691.6	238	15,691.6
33	Franklin	387	22,488.7	0	0.0	387	22,488.7	387	22,488.7
34	Frederick	761	41,068.5	0	0.0	761	41,068.5	717	39,618.5
35	Giles	154	1,977.5	107	NA	47	1,977.5	47	1,977.5
36	Gloucester	448	34,415.1	0	0.0	448	34,415.1	437	34,030.1
37	Goochland	196	16,283.3	0	0.0	196	16,283.3	196	16,283.3
38	Grayson	189	4,484.4	111	1,098.8	78	3,385.7	78	3,385.7
39	Greene	143	7,770.4	0	0.0	143	7,770.4	123	7,525.8
40	Greensville	92	1,730.2	75	854.4	17	875.8	17	875.8

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
42	1,410.2	10	175.0	0	0.0	0	0	0	263	1
8	697.5	23	2,261.8	54	2,158.1	0	0	0	595	2
0	0.0	0	0.0	0	0.0	3	0	3	100	3
0	0.0	0	0.0	0	0.0	0	0	0	60	4
2	60.0	0	0.0	0	0.0	3	0	3	126	5
0	0.0	0	0.0	0	0.0	0	0	0	158	6
0	0.0	0	0.0	667	40,052.0	88	0	88	822	7
0	0.0	0	0.0	0	0.0	10	0	10	438	8
0	0.0	0	0.0	0	0.0	0	0	0	25	9
0	0.0	62	260.0	11	440.0	0	0	0	1,071	10
0	0.0	0	0.0	0	0.0	0	0	0	73	11
2	60.0	7	126.0	32	917.4	4	0	4	253	12
0	0.0	0	0.0	0	0.0	0	0	0	222	13
0	0.0	0	0.0	0	0.0	2	0	2	37	14
0	0.0	4	82.0	0	0.0	0	0	0	42	15
10	254.0	11	265.0	53	1,200.0	7	0	7	237	16
0	0.0	0	0.0	0	0.0	0	0	0	213	17
4	30.0	8	150.0	0	0.0	0	0	0	105	18
0	0.0	0	0.0	0	0.0	0	0	0	40	19
0	0.0	16	690.0	0	0.0	0	0	0	61	20
0	0.0	0	0.0	601	11,105.3	2	0	2	3,936	21
0	0.0	0	0.0	20	642.9	4	0	4	122	22
0	0.0	0	0.0	0	0.0	0	0	0	34	23
32	2,160.6	7	125.0	54	1,322.0	1	0	1	452	24
0	0.0	0	0.0	0	0.0	0	0	0	30	25
0	0.0	0	0.0	0	0.0	0	0	0	27	26
0	0.0	0	0.0	0	0.0	1	0	1	138	27
0	0.0	0	0.0	0	0.0	1	0	1	36	28
0	0.0	0	0.0	4,690	147,134.2	98	0	98	13,149	29
0	0.0	0	0.0	0	0.0	2	0	2	354	30
0	0.0	0	0.0	0	0.0	1	0	1	159	31
0	0.0	0	0.0	0	0.0	0	0	0	252	32
0	0.0	0	0.0	0	0.0	1	0	1	386	33
44	1,450.0	0	0.0	0	0.0	0	0	0	761	34
0	0.0	0	0.0	0	0.0	2	0	2	152	35
4	125.0	7	260.0	0	0.0	0	0	0	448	36
0	0.0	0	0.0	0	0.0	0	0	0	196	37
0	0.0	0	0.0	0	0.0	0	0	0	189	38
12	68.9	0	0.0	18	175.7	1	0	1	142	39
0	0.0	0	0.0	0	0.0	0	0	0	92	40

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
41	Halifax	202	6,460.6	123	1,757.8	79	4,702.8	79	4,702.8
42	Hanover	1,115	63,152.8	0	0.0	1,115	63,152.8	1,115	63,152.8
43	Henrico	2,653	120,815.7	0	0.0	2,653	120,815.7	2,076	111,124.7
44	Henry	239	11,932.5	0	0.0	239	11,932.5	176	10,395.4
45	Highland	16	331.4	0	0.0	16	331.4	16	331.4
46	Isle of Wight (5)	302	8,855.6	133	NA	169	8,855.6	169	8,855.6
47	James City	1,090	91,296.4	0	0.0	1,090	91,296.4	716	76,809.5
48	King and Queen (7)	0	0.0	0	0.0	0	0.0	0	0.0
49	King George	253	9,874.4	68	NA	185	9,874.4	157	9,230.2
50	King William	118	6,428.2	0	0.0	118	6,428.2	118	6,428.2
51	Lancaster	181	12,270.2	28	643.1	153	11,627.1	141	11,257.1
52	Lee	81	3,350.6	0	0.0	81	3,350.6	81	3,350.6
53	Loudoun	2,089	102,260.5	0	0.0	2,089	102,260.5	1,280	80,004.0
54	Louisa	268	11,531.1	0	0.0	268	11,531.1	258	11,271.4
55	Lunenburg	18	994.9	0	0.0	18	994.9	18	994.9
56	Madison	106	5,766.1	12	171.4	94	5,594.7	90	5,206.7
57	Mathews	117	6,913.5	0	0.0	117	6,913.5	84	4,588.5
58	Mecklenburg (8)	118	6,646.9	0	0.0	118	6,646.9	118	6,646.9
59	Middlesex	149	8,324.9	0	0.0	149	8,324.9	97	6,166.9
60	Montgomery	884	34,276.2	0	0.0	884	34,276.2	496	24,895.0
61	Nelson	174	15,270.3	0	0.0	174	15,270.3	172	15,230.3
62	New Kent	209	12,327.0	0	0.0	209	12,327.0	209	12,327.0
63	Northampton	54	2,679.1	0	0.0	54	2,679.1	54	2,679.1
64	Northumberland	218	12,782.4	42	670.2	176	12,112.1	172	12,000.0
65	Nottoway	39	1,976.3	0	0.0	39	1,976.3	39	1,976.3
66	Orange	313	16,532.6	70	NA	243	16,532.6	231	15,051.8
67	Page	267	7,483.4	111	1,273.6	156	6,209.9	126	5,609.9
68	Patrick	252	5,088.5	180	1,968.0	72	3,120.5	72	3,120.5
69	Pittsylvania	325	15,755.8	0	0.0	325	15,755.8	294	15,200.8
70	Powhatan	197	10,596.9	0	0.0	197	10,596.9	193	10,492.9
71	Prince Edward	54	2,537.3	0	0.0	54	2,537.3	48	2,272.8
72	Prince George	192	10,944.2	0	0.0	192	10,944.2	192	10,944.2
73	Prince William	5,085	246,654.4	0	0.0	5,085	246,654.4	2,808	178,343.1
74	Pulaski	124	5,612.0	0	0.0	124	5,612.0	96	5,187.0
75	Rappahannock	88	9,210.0	1	NA	87	9,210.0	87	9,210.0
76	Richmond	89	2,845.2	48	505.3	41	2,339.9	41	2,339.9
77	Roanoke	618	33,160.5	0	0.0	618	33,160.5	557	31,568.9
78	Rockbridge	94	5,856.1	0	0.0	94	5,856.1	94	5,856.1
79	Rockingham	575	29,470.1	0	0.0	575	29,470.1	369	24,290.1
80	Russell	69	2,713.0	0	0.0	69	2,713.0	64	2,613.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	202	41
0	0.0	0	0.0	0	0.0	2	0	2	1,113	42
0	0.0	18	513.6	559	9,177.4	38	0	38	2,615	43
2	60.0	3	35.0	58	1,442.0	1	0	1	238	44
0	0.0	0	0.0	0	0.0	0	0	0	16	45
0	0.0	0	0.0	0	0.0	2	0	2	300	46
24	876.0	178	5,918.0	172	7,692.9	15	0	15	1,075	47
0	0.0	0	0.0	0	0.0	0	0	0	0	48
4	102.6	24	541.6	0	0.0	0	0	0	253	49
0	0.0	0	0.0	0	0.0	13	0	13	105	50
12	370.0	0	0.0	0	0.0	0	0	0	181	51
0	0.0	0	0.0	0	0.0	0	0	0	81	52
4	137.8	0	0.0	805	22,118.8	0	0	0	2,089	53
2	89.9	8	169.9	0	0.0	0	0	0	268	54
0	0.0	0	0.0	0	0.0	0	0	0	18	55
4	388.0	0	0.0	0	0.0	0	0	0	106	56
0	0.0	0	0.0	33	2,325.0	1	0	1	116	57
0	0.0	0	0.0	0	0.0	2	0	2	116	58
0	0.0	0	0.0	52	2,158.0	6	0	6	143	59
50	1,323.5	4	69.8	334	7,987.9	8	0	8	876	60
2	40.0	0	0.0	0	0.0	2	0	2	172	61
0	0.0	0	0.0	0	0.0	0	0	0	209	62
0	0.0	0	0.0	0	0.0	0	0	0	54	63
0	0.0	4	112.1	0	0.0	0	0	0	218	64
0	0.0	0	0.0	0	0.0	15	0	15	24	65
0	0.0	0	0.0	12	480.8	0	0	0	313	66
0	0.0	0	0.0	30	600.0	0	0	0	267	67
0	0.0	0	0.0	0	0.0	0	0	0	252	68
2	50.0	14	240.0	15	265.0	0	0	0	325	69
4	104.0	0	0.0	0	0.0	0	0	0	197	70
2	49.5	4	215.0	0	0.0	4	0	4	50	71
0	0.0	0	0.0	0	0.0	2	0	2	190	72
0	0.0	0	0.0	2,277	68,311.3	13	0	13	5,072	73
2	50.0	12	225.0	14	150.0	3	0	3	121	74
0	0.0	0	0.0	0	0.0	4	0	4	84	75
0	0.0	0	0.0	0	0.0	0	0	0	89	76
4	133.0	4	78.1	53	1,380.5	20	0	20	598	77
0	0.0	0	0.0	0	0.0	0	0	0	94	78
26	1,018.0	16	460.0	164	3,702.0	0	0	0	575	79
0	0.0	0	0.0	5	100.0	0	0	0	69	80

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
81	Scott	76	2,868.5	0	0.0	76	2,868.5	76	2,868.5
82	Shenandoah	519	22,585.2	0	0.0	519	22,585.2	324	17,525.7
83	Smyth	98	3,632.7	0	0.0	98	3,632.7	84	3,368.8
84	Southampton	112	4,895.2	48	803.3	64	4,092.0	64	4,092.0
85	Spotsylvania	1,838	136,025.9	0	0.0	1,838	136,025.9	1,652	131,722.0
86	Stafford	1,133	87,423.1	0	0.0	1,133	87,423.1	1,101	86,459.1
87	Surry	104	2,821.4	60	579.4	44	2,242.0	44	2,242.0
88	Sussex	108	2,020.0	85	1,002.8	23	1,017.2	15	877.2
89	Tazewell	105	5,352.4	0	0.0	105	5,352.4	100	5,136.4
90	Warren	327	16,729.2	14	280.7	313	16,448.6	313	16,448.6
91	Washington	287	12,285.9	0	0.0	287	12,285.9	255	11,649.6
92	Westmoreland	209	9,074.4	65	877.2	144	8,197.2	144	8,197.2
93	Wise	97	3,698.0	0	0.0	97	3,698.0	97	3,698.0
94	Wythe	339	7,322.3	225	2,668.2	114	4,654.1	88	4,144.1
95	York	611	47,495.6	0	0.0	611	47,495.6	539	45,096.7
	CITIES								
96	Alexandria	1,495	66,577.4	0	0.0	1,495	66,577.4	97	9,753.3
97	Bedford	31	1,083.5	0	0.0	31	1,083.5	31	1,083.5
98	Bristol	50	1,825.7	0	0.0	50	1,825.7	48	1,790.7
99	Buena Vista (5)	1	20.0	0	0.0	1	20.0	1	20.0
100	Charlottesville	118	8,025.4	0	0.0	118	8,025.4	21	1,477.4
101	Chesapeake	2,860	179,326.7	0	0.0	2,860	179,326.7	1,957	154,136.5
102	Clifton Forge	2	81.2	0	0.0	2	81.2	2	81.2
103	Colonial Heights	80	3,611.6	0	0.0	80	3,611.6	76	3,573.4
104	Covington	8	334.5	0	0.0	8	334.5	6	254.5
105	Danville	40	2,059.0	0	0.0	40	2,059.0	27	1,811.0
106	Emporia	7	441.8	0	0.0	7	441.8	7	441.8
107	Fairfax	153	5,786.5	0	0.0	153	5,786.5	13	1,376.5
108	Falls Church	3	764.0	0	0.0	3	764.0	3	764.0
109	Franklin	59	2,390.9	0	0.0	59	2,390.9	25	1,730.9
110	Fredericksburg	28	1,123.0	0	0.0	28	1,123.0	28	1,123.0
111	Galax	18	878.3	0	0.0	18	878.3	18	878.3
112	Hampton	921	44,338.8	0	0.0	921	44,338.8	754	39,629.7
113	Harrisonburg	422	16,448.5	0	0.0	422	16,448.5	116	8,051.7
114	Hopewell	51	1,704.2	0	0.0	51	1,704.2	45	1,553.4
115	Lexington (7)	0	0.0	0	0.0	0	0.0	0	0.0

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
0	0.0	0	0.0	0	0.0	0	0	0	76	81
30	464.0	16	511.5	149	4,084.0	4	0	4	515	82
2	48.0	0	0.0	12	216.0	3	0	3	95	83
0	0.0	0	0.0	0	0.0	0	0	0	112	84
0	0.0	0	0.0	186	4,303.9	6	0	6	1,832	85
0	0.0	0	0.0	32	964.0	1	0	1	1,132	86
0	0.0	0	0.0	0	0.0	6	0	6	98	87
2	40.0	0	0.0	6	100.0	5	0	5	103	88
0	0.0	0	0.0	5	216.0	0	0	0	105	89
0	0.0	0	0.0	0	0.0	7	0	7	320	90
4	63.0	20	426.2	8	147.1	6	0	6	281	91
0	0.0	0	0.0	0	0.0	0	0	0	209	92
0	0.0	0	0.0	0	0.0	0	0	0	97	93
0	0.0	14	260.0	12	250.0	0	0	0	339	94
0	0.0	24	1,456.0	48	942.9	15	0	15	596	95
0	0.0	0	0.0	1,398	56,824.2	1	0	1	1,494	96
0	0.0	0	0.0	0	0.0	10	0	10	21	97
2	35.0	0	0.0	0	0.0	7	0	7	43	98
0	0.0	0	0.0	0	0.0	0	0	0	1	99
26	858.0	4	210.0	67	5,480.0	11	0	11	107	100
52	1,430.0	12	484.2	839	23,276.0	78	0	78	2,782	101
0	0.0	0	0.0	0	0.0	0	0	0	2	102
0	0.0	4	38.1	0	0.0	9	0	9	71	103
2	80.0	0	0.0	0	0.0	5	0	5	3	104
2	40.0	0	0.0	11	208.0	33	0	33	7	105
0	0.0	0	0.0	0	0.0	8	0	8	–1	106
0	0.0	0	0.0	140	4,410.0	6	0	6	147	107
0	0.0	0	0.0	0	0.0	0	0	0	3	108
2	40.0	0	0.0	32	620.0	10	0	10	49	109
0	0.0	0	0.0	0	0.0	1	0	1	27	110
0	0.0	0	0.0	0	0.0	0	0	0	18	111
0	0.0	0	0.0	167	4,709.1	25	0	25	896	112
8	277.0	68	1,638.6	230	6,481.2	4	0	4	418	113
6	150.8	0	0.0	0	0.0	16	0	16	35	114
0	0.0	0	0.0	0	0.0	0	0	0	0	115

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, 1987

		Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES (continued)								
116	Lynchburg	283	13,247.4	0	0.0	283	13,247.4	98	7,226.4
117	Manassas	747	36,440.6	0	0.0	747	36,440.6	403	25,512.8
118	Manassas Park	55	1,701.0	0	0.0	55	1,701.0	55	1,701.0
119	Martinsville	52	1,978.0	0	0.0	52	1,978.0	15	977.0
120	Newport News	1,677	68,413.4	0	0.0	1,677	68,413.4	1,088	55,601.4
121	Norfolk	1,786	47,727.5	0	0.0	1,786	47,727.5	296	18,477.2
122	Norton	0	0.0	0	0.0	0	0.0	0	0.0
123	Petersburg	152	3,378.8	0	0.0	152	3,378.8	20	575.8
124	Poquoson	57	5,053.3	0	0.0	57	5,053.3	57	5,053.3
125	Portsmouth	623	29,823.6	0	0.0	623	29,823.6	227	12,986.1
126	Radford	190	5,747.9	0	0.0	190	5,747.9	34	1,671.0
127	Richmond	697	31,118.8	0	0.0	697	31,118.8	198	16,785.2
128	Roanoke	437	14,103.2	0	0.0	437	14,103.2	101	4,995.1
129	Salem	90	5,448.1	0	0.0	90	5,448.1	77	5,003.1
130	South Boston	13	1,184.8	0	0.0	13	1,184.8	13	1,184.8
131	Staunton	82	4,010.2	0	0.0	82	4,010.2	55	3,367.7
132	Suffolk	548	30,577.4	0	0.0	548	30,577.4	299	23,169.4
133	Virginia Beach	3,461	214,064.4	0	0.0	3,461	214,064.4	2,697	198,396.4
134	Waynesboro	64	3,277.2	0	0.0	64	3,277.2	34	2,533.2
135	Williamsburg	66	7,559.9	0	0.0	66	7,559.9	46	6,574.9
136	Winchester	190	9,696.0	0	0.0	190	9,696.0	98	8,146.0
	PLANNING DISTRICTS								
137	LENOWISCO	254	9,917.1	0	0.0	254	9,917.1	254	9,917.1
138	Cumberland Plateau	240	9,887.8	0	0.0	240	9,887.8	230	9,571.8
139	Mount Rogers	1,159	37,275.6	381	4,211.1	778	33,064.6	692	31,439.4
140	New River Valley	1,512	50,084.4	212	NA	1,300	50,084.4	728	36,201.3
141	Fifth	1,549	69,683.1	108	690.8	1,441	68,992.4	988	56,664.3
142	Central Shenandoah	1,727	90,716.5	0	0.0	1,727	90,716.5	1,158	75,753.2
143	Lord Fairfax	2,190	107,646.3	125	1,554.3	2,065	106,092.2	1,684	96,789.8
144	Northern Virginia	23,784	1,305,370.9	0	0.0	23,784	1,305,370.9	13,459	955,455.0
145	Rappahannock-Rapidan	1,316	90,690.2	83	171.4	1,233	90,518.8	1,124	86,042.4
146	Thomas Jefferson	1,550	113,232.1	14	NA	1,536	113,232.1	1,322	101,022.4
147	Central Virginia	1 916	54,341.0	609	1,699.9	1,307	52,641.1	973	44,141.1
148	West Piedmont	1,295	59,302.5	180	1,968.0	1,115	57,334.5	971	53,993.4
149	Southside	555	18,860.5	305	4,087.2	250	14,773.3	250	14,773.3
150	Piedmont	304	14,652.7	0	0.0	304	14,652.7	278	13,616.2
151	Richmond Regional	9,045	456,368.4	0	0.0	9,045	456,368.4	7,364	421,134.6

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
58	1,641.0	0	0.0	127	4,380.0	49	0	49	234	116
0	0.0	16	560.0	328	10,367.8	0	0	0	747	117
0	0.0	0	0.0	0	0.0	0	0	0	55	118
10	246.0	20	625.0	7	130.0	6	0	6	46	119
46	1,885.9	76	1,202.3	467	9,723.8	56	0	56	1,621	120
166	3,352.9	228	4,327.9	1,096	21,569.4	419	0	419	1,367	121
0	0.0	0	0.0	0	0.0	6	0	6	–6	122
6	63.0	0	0.0	126	2,740.0	49	0	49	103	123
0	0.0	0	0.0	0	0.0	3	0	3	54	124
16	431.5	32	720.0	348	15,686.0	48	0	48	575	125
0	0.0	7	265.0	149	3,811.9	11	0	11	179	126
0	0.0	0	0.0	499	14,333.6	67	0	67	630	127
30	549.5	33	590.0	273	7,968.6	159	0	159	278	128
8	242.6	0	0.0	5	202.4	11	0	11	79	129
0	0.0	0	0.0	0	0.0	1	0	1	12	130
0	0.0	4	67.5	23	575.0	8	0	8	74	131
94	2,628.2	14	377.0	141	4,402.7	72	0	72	476	132
76	5,142.0	0	0.0	688	10,526.0	99	0	99	3,362	133
4	92.0	15	262.0	11	390.0	5	0	5	59	134
0	0.0	15	850.0	5	135.0	4	0	4	62	135
4	90.0	8	80.0	80	1,380.0	20	0	20	170	136
0	0.0	0	0.0	0	0.0	6	0	6	248	137
0	0.0	0	0.0	10	316.0	2	0	2	238	138
12	176.0	42	836.2	32	613.1	16	0	16	1,143	139
52	1,373.5	23	559.8	497	11,949.8	25	0	25	1,487	140
46	1,065.1	44	794.1	363	10,468.9	202	0	202	1,347	141
38	1,387.0	103	2,428.1	428	11,148.2	27	0	27	1,700	142
78	2,004.0	24	591.5	279	6,706.9	35	0	35	2,155	143
4	137.8	16	560.0	10,305	349,218.3	206	0	206	23,578	144
36	2,548.6	7	125.0	66	1,802.8	7	0	7	1,309	145
40	1,754.3	35	2,641.7	139	7,813.8	14	0	14	1,536	146
70	1,955.0	73	525.0	191	6,020.0	69	0	69	1,847	147
16	396.0	37	900.0	91	2,045.0	41	0	41	1,254	148
0	0.0	0	0.0	0	0.0	3	0	3	552	149
2	49.5	24	987.0	0	0.0	19	0	19	285	150
4	104.0	18	513.6	1,659	34,616.3	109	0	109	8,936	151

TABLE 3. (continued)
Housing Units Authorized in Virginia Localities, 1987

Line	Jurisdiction	Total Units Authorized		Total Mobile Units		Total Private Units		Single Units	
		Number	$000	Number	$000	Number	$000	Number	$000
	PLANNING DISTRICTS (continued)								
152	RADCO	3,465	245,911.6	68	NA	3,397	245,911.6	3,151	239,999.5
153	Northern Neck	697	36,972.2	183	2,695.8	514	34,276.3	498	33,794.2
154	Middle Peninsula	869	59,196.4	0	0.0	869	59,196.4	773	54,328.4
155	Crater	925	32,979.5	220	2,436.6	705	30,542.9	555	27,410.9
156	Southeastern Virginia	9,751	517,661.3	181	803.3	9,570	516,858.1	5,734	421,844.1
157	Peninsula	4,422	264,157.4	0	0.0	4,422	264,157.4	3,200	228,765.5
158	Accomack-Northampton	317	15,453.8	0	0.0	317	15,453.8	265	13,868.6
159	VIRGINIA	68,842	3,660,361.2	2,669	20,318.4	66,173	3,640,043.2	45,651	3,026,526.5

NA Data not available.
(1) Onancock Town did not report. The balance of Accomack County reported 12 months.
(2) Craigsville Town did not report. The balance of Augusta County reported 12 months.
(3) Bowling Green Town did not report. The balance of Caroline County reported 12 months.
(4) Reported 11 months.
(5) Reported 6 months.
(6) Reported 5 months.
(7) Did not report.
(8) Chase City Town did not report. The balance of Mecklenburg County reported 12 months.

Duplex Units		3–4 Units		5+ Units		Demolitions			Total Housing Units Less Number of Demolitions	Line
Number	$000	Number	$000	Number	$000	Private	Public	Total		
4	102.6	24	541.6	218	5,267.9	8	0	8	3,457	152
12	370.0	4	112.1	0	0.0	0	0	0	697	153
4	125.0	7	260.0	85	4,483.0	21	0	21	848	154
14	253.8	4	38.1	132	2,840.0	96	0	96	829	155
406	13,024.6	286	5,909.1	3,144	76,080.1	728	0	728	9,023	156
70	2,761.9	293	9,426.3	859	23,203.7	118	0	118	4,304	157
42	1,410.2	10	175.0	0	0.0	0	0	0	317	158
950	30,998.9	1,074	27,924.2	18,498	554,593.8	1,752	0	1,752	67,090	159

TABLE 4.
Nonresidential Buildings Authorized in Virginia Localities, 1987

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES								
1	Accomack (1)	71	2,517.4	0	0.0	1	100.0	2	226.0
2	Albemarle	188	12,796.3	0	0.0	6	1,061.0	0	0.0
3	Alleghany (2)	0	0.0	0	0.0	0	0.0	0	0.0
4	Amelia	5	113.3	0	0.0	0	0.0	5	113.3
5	Amherst	43	3,491.2	2	102.5	3	2,262.9	2	299.0
6	Appomattox	11	5,443.9	0	0.0	2	1,928.3	0	0.0
7	Arlington (3)	16	113,843.4	0	0.0	0	0.0	0	0.0
8	Augusta (4)	247	13,294.6	0	0.0	2	310.0	3	250.2
9	Bath	26	161.8	0	0.0	0	0.0	0	0.0
10	Bedford (2)	0	0.0	0	0.0	0	0.0	0	0.0
11	Bland	41	2,018.1	0	0.0	3	980.5	0	0.0
12	Botetourt	43	1,659.0	0	0.0	1	900.0	0	0.0
13	Brunswick	98	2,547.3	0	0.0	13	493.0	32	1,922.1
14	Buchanan	25	1,600.5	0	0.0	4	634.4	0	0.0
15	Buckingham	26	754.8	1	12.0	0	0.0	0	0.0
16	Campbell	109	5,964.5	4	314.0	9	708.0	5	619.5
17	Caroline (5)	2	1,952.1	0	0.0	0	0.0	0	0.0
18	Carroll	105	1,278.7	0	0.0	0	0.0	0	0.0
19	Charles City (6)	39	1,559.8	0	0.0	0	0.0	2	1,324.0
20	Charlotte	21	641.5	1	20.0	6	289.0	1	45.0
21	Chesterfield (6)	193	71,788.7	3	2,484.2	10	3,787.2	10	7,820.7
22	Clarke	44	1,068.0	0	0.0	6	413.0	5	351.5
23	Craig (2)	0	0.0	0	0.0	0	0.0	0	0.0
24	Culpeper	25	714.6	1	39.6	0	0.0	0	0.0
25	Cumberland	11	815.7	0	0.0	0	0.0	0	0.0
26	Dickenson	27	245.7	0	0.0	2	20.0	1	15.0
27	Dinwiddie	101	813.5	1	9.5	4	89.3	1	20.0
28	Essex	24	565.8	0	0.0	0	0.0	1	25.0
29	Fairfax	609	780,933.9	1	745.5	9	3,187.8	3	2,090.0
30	Fauquier (7)	29	10,412.0	0	0.0	3	4,500.0	0	0.0
31	Floyd	32	487.2	0	0.0	1	15.0	1	100.0
32	Fluvanna	6	247.2	0	0.0	0	0.0	0	0.0
33	Franklin	320	11,905.8	5	1,098.0	4	5,390.0	3	813.2
34	Frederick	213	12,112.4	0	0.0	6	1,256.0	13	4,755.0
35	Giles	27	1,231.5	0	0.0	1	70.0	1	50.0
36	Gloucester	19	2,580.0	1	70.0	1	160.0	2	225.0
37	Goochland	87	1,693.3	0	0.0	0	0.0	2	120.0
38	Grayson	28	359.2	0	0.0	2	103.0	0	0.0
39	Greene	47	4,114.7	0	0.0	2	811.0	1	2,716.4
40	Greensville	3	570.4	0	0.0	0	0.0	1	500.0

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	0	0.0	5	1,021.2	0	0.0	10	794.7	53	375.5	1
0	0.0	0	0.0	21	7,077.8	1	75.0	9	3,178.2	151	1,404.3	2
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4
0	0.0	2	190.0	2	49.0	3	26.0	4	507.0	25	54.8	5
0	0.0	0	0.0	0	0.0	0	0.0	7	3,510.0	2	5.6	6
1	5,208.0	0	0.0	7	103,354.0	0	0.0	3	2,685.9	5	2,595.5	7
0	0.0	3	68.1	8	1,119.7	2	39.0	18	6,971.6	211	4,536.0	8
10	111.0	0	0.0	0	0.0	0	0.0	0	0.0	16	50.8	9
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10
0	0.0	2	100.7	0	0.0	1	264.3	2	274.5	33	398.0	11
0	0.0	5	211.0	0	0.0	0	0.0	0	0.0	37	548.0	12
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53	132.2	13
0	0.0	2	22.5	2	187.6	1	15.0	9	693.2	7	47.8	14
0	0.0	0	0.0	0	0.0	1	125.0	1	35.0	23	582.8	15
0	0.0	5	163.5	11	620.0	0	0.0	20	2,261.7	55	1,277.9	16
0	0.0	0	0.0	0	0.0	0	0.0	1	1,950.6	1	1.5	17
0	0.0	3	263.0	2	60.0	0	0.0	4	197.7	96	758.0	18
0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	36	215.8	19
0	0.0	2	15.0	0	0.0	0	0.0	1	60.0	10	212.5	20
0	0.0	0	0.0	66	31,537.7	0	0.0	103	26,118.8	1	40.0	21
0	0.0	1	3.1	0	0.0	0	0.0	2	128.0	30	172.4	22
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	23
0	0.0	0	0.0	1	65.0	0	0.0	7	593.5	16	16.5	24
0	0.0	0	0.0	1	50.6	1	12.5	4	304.0	5	448.6	25
0	0.0	2	68.0	0	0.0	0	0.0	2	31.0	20	111.7	26
0	0.0	0	0.0	0	0.0	1	2.5	3	258.5	91	433.7	27
0	0.0	0	0.0	1	150.0	0	0.0	2	305.0	20	85.8	28
16	71,200.0	0	0.0	148	487,303.8	1	10,000.0	321	204,312.6	110	2,094.4	29
0	0.0	0	0.0	5	5,282.0	1	17.5	1	400.0	19	212.5	30
0	0.0	1	10.4	0	0.0	0	0.0	2	100.0	27	261.8	31
0	0.0	0	0.0	3	80.6	3	166.6	0	0.0	0	0.0	32
0	0.0	1	16.0	10	815.0	3	65.0	15	641.3	279	3,067.4	33
1	75.0	0	0.0	17	1,915.3	3	190.0	12	3,409.0	161	512.1	34
0	0.0	1	40.0	2	35.0	3	721.9	7	267.0	12	47.6	35
0	0.0	0	0.0	4	1,035.0	0	0.0	3	1,008.0	8	82.0	36
0	0.0	1	115.2	1	9.8	0	0.0	4	588.5	79	859.7	37
0	0.0	0	0.0	0	0.0	0	0.0	4	110.0	22	146.2	38
0	0.0	0	0.0	2	193.5	0	0.0	1	164.2	41	229.5	39
0	0.0	1	50.0	0	0.0	0	0.0	1	20.4	0	0.0	40

TABLE 4. (continued)
Nonresidential Buildings Authorized in Virginia Localities, 1987

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
41	Halifax	0	0.0	0	0.0	0	0.0	0	0.0
42	Hanover	154	26,125.6	10	643.0	2	875.0	2	670.0
43	Henrico	367	74,565.2	4	493.5	15	9,834.0	5	1,705.0
44	Henry	70	2,341.5	6	108.5	3	125.0	5	912.5
45	Highland	32	250.5	0	0.0	0	0.0	0	0.0
46	Isle of Wight (2)	0	0.0	0	0.0	0	0.0	0	0.0
47	James City	18	2,439.2	16	589.2	0	0.0	0	0.0
48	King and Queen (2)	0	0.0	0	0.0	0	0.0	0	0.0
49	King George	2	200.0	0	0.0	0	0.0	0	0.0
50	King William	3	569.0	0	0.0	0	0.0	1	330.0
51	Lancaster	88	3,776.0	1	4.5	5	1,800.8	1	20.0
52	Lee	19	473.4	0	0.0	1	33.0	2	82.0
53	Loudoun (2)	0	0.0	0	0.0	0	0.0	0	0.0
54	Louisa	9	3,496.5	2	1,530.0	0	0.0	4	703.5
55	Lunenburg	4	47.3	0	0.0	0	0.0	4	47.3
56	Madison	57	2,211.8	0	0.0	2	1,700.0	0	0.0
57	Mathews	3	540.0	0	0.0	1	220.0	0	0.0
58	Mecklenburg (8)	79	4,548.6	0	0.0	1	20.0	2	2,154.0
59	Middlesex	69	954.9	4	365.6	0	0.0	0	0.0
60	Montgomery	83	19,881.7	1	459.6	5	1,533.0	1	2,164.0
61	Nelson	61	1,683.1	1	400.0	2	289.4	1	20.0
62	New Kent	34	792.3	0	0.0	0	0.0	1	70.0
63	Northampton	15	263.1	0	0.0	0	0.0	0	0.0
64	Northumberland	3	234.0	0	0.0	0	0.0	0	0.0
65	Nottoway	24	3,498.8	2	36.0	0	0.0	7	2,243.2
66	Orange	34	1,003.3	0	0.0	1	300.0	1	189.0
67	Page	180	3,870.0	0	0.0	1	10.0	0	0.0
68	Patrick	43	1,073.3	2	15.0	3	351.0	4	406.4
69	Pittsylvania	235	10,576.8	1	25.0	7	1,131.7	15	6,102.7
70	Powhatan	9	330.0	0	0.0	0	0.0	2	65.0
71	Prince Edward	15	1,040.7	0	0.0	2	140.0	0	0.0
72	Prince George	26	10,614.7	0	0.0	1	1,800.0	0	0.0
73	Prince William	160	49,241.5	15	2,020.8	5	2,245.4	26	11,190.1
74	Pulaski	26	2,018.1	0	0.0	2	135.0	2	1,413.5
75	Rappahannock	0	0.0	0	0.0	0	0.0	0	0.0
76	Richmond (2)	0	0.0	0	0.0	0	0.0	0	0.0
77	Roanoke	136	12,163.4	6	1,655.9	17	3,985.6	2	344.7
78	Rockbridge	50	5,895.8	0	0.0	1	3,135.0	0	0.0
79	Rockingham	497	44,420.9	1	219.0	4	1,074.2	10	22,449.9
80	Russell	4	481.9	0	0.0	0	0.0	1	261.9

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	41
0	0.0	2	147.0	38	13,040.4	1	2,500.0	18	7,828.0	81	422.1	42
1	2,250.0	3	491.0	54	36,254.9	3	1,030.2	68	19,414.3	214	3,092.2	43
0	0.0	3	140.5	2	225.0	0	0.0	17	626.7	34	203.4	44
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	32	250.5	45
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	46
0	0.0	0	0.0	0	0.0	0	0.0	2	1,850.0	0	0.0	47
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	48
0	0.0	0	0.0	0	0.0	0	0.0	2	200.0	0	0.0	49
0	0.0	0	0.0	0	0.0	0	0.0	2	239.0	0	0.0	50
0	0.0	1	70.0	5	586.4	2	33.0	7	840.0	66	421.3	51
0	0.0	6	127.8	1	93.6	0	0.0	3	52.0	6	85.0	52
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53
0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	2	1,163.0	54
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	55
0	0.0	0	0.0	0	0.0	0	0.0	1	160.0	54	351.8	56
0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	220.0	57
0	0.0	2	446.7	0	0.0	0	0.0	2	1,334.8	72	593.1	58
0	0.0	0	0.0	2	158.0	0	0.0	4	223.3	59	207.9	59
0	0.0	4	100.0	10	3,640.0	1	80.0	20	11,769.4	41	135.7	60
0	0.0	0	0.0	2	300.8	1	300.0	2	113.0	52	259.9	61
0	0.0	0	0.0	1	200.0	0	0.0	2	90.0	30	432.3	62
0	0.0	0	0.0	2	53.0	0	0.0	0	0.0	13	210.1	63
0	0.0	1	50.3	1	171.6	0	0.0	0	0.0	1	12.1	64
0	0.0	2	224.0	0	0.0	1	6.0	5	529.3	7	460.3	65
0	0.0	1	6.5	1	11.0	0	0.0	3	110.0	27	386.8	66
0	0.0	1	18.0	0	0.0	0	0.0	5	322.0	173	3,520.0	67
0	0.0	0	0.0	0	0.0	0	0.0	5	112.0	29	188.9	68
1	33.0	12	217.3	6	354.0	2	779.2	7	1,189.7	184	744.2	69
0	0.0	0	0.0	1	133.0	1	12.0	1	3.0	4	117.0	70
0	0.0	0	0.0	3	451.0	0	0.0	1	12.0	9	437.7	71
0	0.0	0	0.0	6	5,528.6	0	0.0	2	500.0	17	2,786.1	72
0	0.0	2	555.0	18	13,297.4	7	411.2	27	18,823.9	60	697.8	73
1	39.7	1	47.7	0	0.0	1	175.0	3	89.5	16	117.7	74
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	75
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	76
0	0.0	0	0.0	12	2,670.5	10	955.3	9	1,420.6	80	1,130.8	77
0	0.0	0	0.0	0	0.0	0	0.0	7	922.2	42	1,838.6	78
0	0.0	2	110.0	4	616.5	3	822.3	10	5,307.4	463	13,821.7	79
0	0.0	0	0.0	1	100.0	0	0.0	1	110.0	1	10.0	80

TABLE 4. (continued)
Nonresidential Buildings Authorized in Virginia Localities, 1987

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	COUNTIES (continued)								
81	Scott	6	649.9	1	40.0	0	0.0	0	0.0
82	Shenandoah	155	2,908.5	1	200.0	3	607.6	0	0.0
83	Smyth	29	6,319.5	0	0.0	0	0.0	3	5,772.0
84	Southampton	185	3,838.9	0	0.0	1	2,265.6	6	594.6
85	Spotsylvania	283	19,549.2	0	0.0	8	2,277.0	7	4,966.7
86	Stafford	64	15,838.3	2	80.0	9	1,507.1	6	1,722.6
87	Surry	11	5,095.1	3	1,097.1	1	2,100.0	1	80.0
88	Sussex	10	3,954.0	0	0.0	1	3,353.0	2	55.0
89	Tazewell	118	7,982.1	0	0.0	4	1,524.3	21	1,018.4
90	Warren	106	3,376.5	2	54.0	4	179.0	3	367.0
91	Washington	66	3,800.6	1	65.0	6	456.9	8	1,630.4
92	Westmoreland	0	0.0	0	0.0	0	0.0	0	0.0
93	Wise	37	2,823.4	0	0.0	2	290.0	0	0.0
94	Wythe	57	2,173.7	0	0.0	4	757.0	0	0.0
95	York	124	12,718.5	2	52.0	13	4,232.3	0	0.0
	CITIES								
96	Alexandria	23	44,216.9	0	0.0	3	6,839.0	0	0.0
97	Bedford	3	567.0	0	0.0	0	0.0	0	0.0
98	Bristol	33	3,665.7	2	12.8	1	900.0	2	1,350.0
99	Buena Vista (2)	0	0.0	0	0.0	0	0.0	0	0.0
100	Charlottesville	41	4,162.4	1	28.0	0	0.0	0	0.0
101	Chesapeake	113	41,245.9	4	227.0	3	1,939.0	20	2,782.6
102	Clifton Forge	3	11.0	1	6.0	0	0.0	0	0.0
103	Colonial Heights	57	2,745.0	1	106.4	0	0.0	0	0.0
104	Covington	3	90.0	0	0.0	0	0.0	3	90.0
105	Danville	68	2,891.1	0	0.0	2	727.4	0	0.0
106	Emporia	13	2,335.5	0	0.0	0	0.0	1	2,025.0
107	Fairfax	43	14,706.6	0	0.0	4	3,539.0	0	0.0
108	Falls Church	5	2,205.0	0	0.0	0	0.0	0	0.0
109	Franklin	11	882.8	0	0.0	1	68.0	0	0.0
110	Fredericksburg	29	1,785.2	1	70.5	0	0.0	6	259.2
111	Galax	4	619.7	0	0.0	0	0.0	1	360.0
112	Hampton	880	21,994.9	1	57.5	1	140.0	20	1,846.8
113	Harrisonburg	68	17,088.1	1	25.0	0	0.0	2	2,848.0
114	Hopewell	9	1,121.9	0	0.0	0	0.0	2	328.0
115	Lexington (2)	0	0.0	0	0.0	0	0.0	0	0.0

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	1	150.0	0	0.0	1	26.0	2	405.0	1	28.9	81
0	0.0	0	0.0	3	343.0	0	0.0	5	295.5	143	1,462.4	82
1	46.5	4	72.0	1	160.0	0	0.0	4	98.0	16	171.0	83
0	0.0	0	0.0	1	50.0	0	0.0	5	205.2	172	723.4	84
0	0.0	1	137.0	20	2,243.8	0	0.0	86	7,551.8	161	2,372.9	85
0	0.0	2	912.4	10	2,003.5	0	0.0	19	9,426.2	16	186.5	86
0	0.0	0	0.0	3	110.0	3	1,708.0	0	0.0	0	0.0	87
0	0.0	1	20.0	0	0.0	0	0.0	2	463.0	4	63.0	88
0	0.0	1	14.5	13	1,705.0	0	0.0	36	2,676.2	43	1,043.6	89
0	0.0	1	250.0	7	949.0	0	0.0	44	1,504.7	45	72.8	90
1	150.0	6	121.6	4	346.8	1	23.8	18	770.3	21	236.0	91
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	92
1	30.0	6	174.4	0	0.0	0	0.0	8	1,941.6	20	387.4	93
0	0.0	0	0.0	2	95.0	0	0.0	13	1,270.0	38	51.7	94
0	0.0	2	387.3	13	1,394.2	22	1,528.2	50	4,679.0	22	445.6	95
7	2,027.6	0	0.0	13	35,350.3	0	0.0	0	0.0	0	0.0	96
0	0.0	0	0.0	3	567.0	0	0.0	0	0.0	0	0.0	97
0	0.0	2	50.0	1	279.8	0	0.0	8	1,001.3	17	71.7	98
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	99
0	0.0	3	506.0	7	2,777.2	0	0.0	6	769.0	24	82.2	100
0	0.0	0	0.0	51	23,233.2	2	197.3	28	12,651.4	5	215.5	101
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	5.0	102
0	0.0	2	74.0	4	402.5	2	71.0	11	2,017.9	37	73.2	103
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	104
0	0.0	1	150.0	2	610.0	0	0.0	11	1,327.9	52	75.8	105
0	0.0	1	18.3	1	45.0	0	0.0	2	206.5	8	40.8	106
0	0.0	0	0.0	34	8,354.8	0	0.0	4	2,705.0	1	107.8	107
0	0.0	2	355.0	1	1,250.0	0	0.0	2	600.0	0	0.0	108
0	0.0	0	0.0	5	364.8	0	0.0	3	355.0	2	95.0	109
0	0.0	0	0.0	1	108.0	0	0.0	0	0.0	21	1,347.5	110
0	0.0	1	43.5	0	0.0	0	0.0	1	185.0	1	31.2	111
0	0.0	0	0.0	2	1,803.0	0	0.0	102	12,796.9	754	5,350.7	112
0	0.0	0	0.0	11	3,593.2	1	40.0	18	9,395.0	35	1,186.9	113
0	0.0	0	0.0	3	608.9	0	0.0	1	70.0	3	115.1	114
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	115

TABLE 4. (continued)
Nonresidential Buildings Authorized in Virginia Localities, 1987

		Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
Line	Jurisdiction	Number	$000	Number	$000	Number	$000	Number	$000
	CITIES (continued)								
116	Lynchburg	100	19,244.6	3	1,200.0	11	4,334.9	9	4,382.7
117	Manassas	47	10,687.4	0	0.0	1	490.0	12	2,614.6
118	Manassas Park	64	9,464.1	0	0.0	0	0.0	24	4,666.6
119	Martinsville	7	804.5	0	0.0	0	0.0	2	455.0
120	Newport News	682	49,590.7	12	1,547.2	4	7,149.0	19	6,128.2
121	Norfolk	198	18,488.1	1	100.0	3	55.0	24	3,852.3
122	Norton	3	90.8	0	0.0	0	0.0	0	0.0
123	Petersburg	27	924.3	0	0.0	0	0.0	1	75.0
124	Poquoson	8	3,178.3	0	0.0	1	1,337.0	0	0.0
125	Portsmouth	181	8,960.7	1	75.0	0	0.0	0	0.0
126	Radford	7	1,001.7	0	0.0	1	39.0	1	100.0
127	Richmond	76	43,379.7	2	143.7	0	0.0	2	1,600.0
128	Roanoke	134	17,423.2	1	100.0	3	445.0	20	3,597.0
129	Salem	53	4,201.9	1	11.0	2	809.0	8	785.9
130	South Boston	3	124.0	0	0.0	1	41.8	0	0.0
131	Staunton	27	1,050.3	0	0.0	0	0.0	3	102.0
132	Suffolk	261	19,790.1	0	0.0	0	0.0	1	1,500.0
133	Virginia Beach	688	72,533.3	13	2,435.5	4	3,112.7	16	2,471.0
134	Waynesboro	41	2,165.3	0	0.0	0	0.0	1	478.0
135	Williamsburg	10	7,140.4	0	0.0	1	32.0	0	0.0
136	Winchester	59	67,083.0	0	0.0	5	54,898.0	0	0.0
	PLANNING DISTRICTS								
137	LENOWISCO	65	4,037.5	1	40.0	3	323.0	2	82.0
138	Cumberland Plateau	174	10,310.2	0	0.0	10	2,178.7	23	1,295.3
139	Mount Rogers	363	20,235.2	3	77.8	16	3,197.4	14	9,112.4
140	New River Valley	175	24,620.2	1	459.6	10	1,792.0	6	3,827.5
141	Fifth	372	35,548.5	9	1,772.9	23	6,139.6	33	4,817.6
142	Central Shenandoah	988	84,327.3	2	244.0	7	4,519.2	19	26,128.1
143	Lord Fairfax	757	90,418.4	3	254.0	25	57,363.6	21	5,473.5
144	Northern Virginia	967	1,025,298.8	16	2,766.3	22	16,301.2	65	20,561.3
145	Rappahannock-Rapidan	145	14,341.7	1	39.6	6	6,500.0	1	189.0
146	Thomas Jefferson	352	26,500.2	4	1,958.0	10	2,161.4	6	3,439.9
147	Central Virginia	266	34,711.2	9	1,616.5	25	9,234.1	16	5,301.2
148	West Piedmont	743	29,593.0	14	1,246.5	19	7,725.1	29	8,689.8
149	Southside	180	7,219.9	0	0.0	15	554.8	34	4,076.1
150	Piedmont	106	6,912.1	4	68.0	8	429.0	17	2,448.8
151	Richmond Regional	959	220,234.6	19	3,764.4	27	14,496.2	26	13,374.7

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	0	0.0	10	2,506.3	0	0.0	20	[illegible],638.0	47	182.7	116
0	0.0	1	300.0	19	3,168.4	0	0.0	10	3,678.6	4	435.8	117
0	0.0	5	825.5	0	0.0	0	0.0	7	3,936.0	28	36.0	118
0	0.0	1	25.0	2	230.0	0	0.0	2	94.5	0	0.0	119
0	0.0	5	1,335.0	27	15,471.9	[illegible]	230.0	59	15,871.8	555	1,857.4	120
0	0.0	2	104.0	10	8,333.4	0	0.0	16	5,114.8	142	928.6	121
0	0.0	0	0.0	3	90.8	0	0.0	0	0.0	0	0.0	122
0	0.0	2	50.0	4	445.0	3	98.4	3	197.9	14	58.0	123
0	0.0	0	0.0	2	185.0	3	456.3	2	1,200.0	0	0.0	124
0	0.0	0	0.0	1	250.0	1	109.0	33	7,618.9	145	907.8	125
0	0.0	0	0.0	3	785.2	0	0.0	2	77.5	0	0.0	126
2	6,228.5	4	424.8	24	32,384.0	0	0.0	5	1,809.9	37	788.9	127
0	0.0	3	183.6	11	1,159.7	1	50.9	21	11,609.0	74	278.1	128
0	0.0	0	0.0	7	584.0	0	0.0	13	1,989.4	22	22.6	129
0	0.0	1	37.5	1	44.6	0	0.0	0	0.0	0	0.0	130
0	0.0	2	155.0	5	685.3	0	0.0	2	98.0	15	10.0	131
0	0.0	0	0.0	17	3,782.4	0	0.0	29	13,735.4	214	772.3	132
1	400.0	6	1,433.0	44	21,356.6	8	1,986.5	74	37,602.5	522	1,735.4	133
0	0.0	0	0.0	3	713.2	0	0.0	6	931.0	31	43.1	134
0	0.0	0	0.0	2	242.9	0	0.0	6	6,864.0	1	1.5	135
0	0.0	0	0.0	2	8,600.0	0	0.0	33	3,417.3	19	167.8	136
1	30.0	13	452.2	4	184.4	1	26.0	13	2,398.6	27	501.3	137
0	0.0	5	105.0	16	1,992.6	1	15.0	48	3,510.4	71	1,213.1	138
2	196.5	18	650.8	10	941.6	2	288.1	54	3,906.8	244	1,863.8	139
1	39.7	7	198.1	15	4,460.2	5	976.9	34	12,303.4	96	562.8	140
0	0.0	8	394.6	30	4,414.2	11	1,006.2	43	15,019.0	215	1,984.5	141
10	111.0	7	333.1	31	6,727.9	6	901.3	61	23,625.2	845	21,737.6	142
1	75.0	3	271.1	29	11,807.3	3	190.0	101	9,076.5	571	5,907.5	143
24	78,435.6	10	2,035.5	240	652,078.7	8	10,411.2	374	236,742.0	208	5,967.3	144
0	0.0	1	6.5	7	5,358.0	1	17.5	12	1,263.5	116	967.6	145
0	0.0	4	606.0	35	10,429.9	5	541.6	18	4,224.4	270	3,138.9	146
0	0.0	7	353.5	26	3,742.3	3	26.0	51	12,916.7	129	1,521.0	147
1	33.0	18	548.8	22	2,234.0	5	844.2	57	3,992.1	578	4,279.7	148
0	0.0	3	484.2	1	44.6	0	0.0	2	1,334.8	125	725.3	149
0	0.0	4	239.0	4	501.6	3	143.5	12	940.3	54	2,141.9	150
3	8,478.5	10	1,178.0	186	113,579.8	5	3,542.2	201	55,852.5	482	5,968.0	151

TABLE 4. (continued)
Nonresidential Buildings Authorized in Virginia Localities, 1987

Line	Jurisdiction	Total Nonresidential Buildings Authorized		Amusement & Recreational Buildings		Church, Hospital & School Buildings		Industrial Buildings	
		Number	$000	Number	$000	Number	$000	Number	$000
	PLANNING DISTRICTS (continued)								
152	RADCO	380	39,324.8	3	150.5	17	3,784.1	19	6,948.5
153	Northern Neck	91	4,010.0	1	4.5	5	1,800.8	1	20.0
154	Middle Peninsula	118	5,209.7	5	435.6	2	380.0	4	580.0
155	Crater	257	28,174.4	5	1,213.0	7	7,342.3	9	3,083.0
156	Southeastern Virginia	1,637	165,739.8	19	2,837.5	12	7,440.3	67	11,200.5
157	Peninsula	1,722	97,062.0	31	2,245.9	20	12,890.3	39	7,975.0
158	Accomack-Northampton	86	2,780.5	0	0.0	1	100.0	2	226.0
159	VIRGINIA	10,903	1,976,610.0	150	21,194.6	290	166,653.1	453	138,850.2

(1) Onancock Town did not report. The balance of Accomack County reported 12 months.
(2) Did not report.
(3) Reported 10 months.
(4) Craigsville Town did not report. The balance of Augusta County reported 12 months.
(5) Bowling Green Town did not report. The balance of Caroline County reported 12 months.
(6) Reported 11 months.
(7) Balance of county reported 5 months.
(8) Chase City Town did not report. The balance of Mecklenburg County reported 12 months.

Parking Garages		Service Stations & Repair Garages		Office, Bank & Professional Buildings		Public Works & Utilities Buildings		Stores and Mercantile Buildings		Other Nonresidential Buildings		
Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Number	$000	Line
0	0.0	3	1,049.4	31	4,355.3	0	0.0	108	19,128.6	199	3,908.4	152
0	0.0	2	120.6	6	758.0	2	33[illegible]	7	840.0	67	433.4	153
0	0.0	0	0.0	7	1,343.0	0	0.0	12	1,875.3	88	595.7	154
0	0.0	7	212.3	21	7,140.0	9	1,879.9	25	3,734.2	174	3,569.9	155
1	400.0	8	1,537.0	129	57,370.4	11	2,292.8	188	77,283.2	1,202	5,378.0	156
0	0.0	7	1,722.3	46	19,097.0	26	2,214.5	221	43,261.7	1,332	7,655.2	157
0	0.0	0	0.0	7	1,074.2	0	0.0	10	794.7	66	585.6	158
44	87,799.3	145	12,497.7	903	909,635.0	107	25,349.9	1,652	534,023.9	7,159	80,606.5	159

TABLE 5.
Residential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES							
Accomack	481	350	316	273	239	165	345
Albemarle	748	728	722	1,084	495	640	565
Alleghany	141	119	92	105	72	NA	127
Amelia	95	96	73	81	46	58	55
Amherst	308	301	296	246	176	241	260
Appomattox	152	165	147	142	131	116	136
Arlington	1,341	878	292	1,055	396	586	568
Augusta	701	571	644	495	541	372	435
Bath	75	39	45	41	51	42	39
Bedford	530	NA	297	427	172	260	442
Bland	77	90	71	60	69	80	41
Botetourt	99	180	171	127	64	114	209
Brunswick	184	153	168	148	175	217	170
Buchanan	257	280	303	261	334	412	397
Buckingham	191	140	140	164	181	123	121
Campbell	576	904	632	550	448	645	643
Caroline	221	198	186	191	203	183	285
Carroll	363	327	320	255	235	282	348
Charles City	63	40	10	28	38	21	68
Charlotte	137	127	134	31	21	24	35
Chesterfield	4,298	4,346	3,623	3,599	1,878	2,273	3,354
Clarke	117	60	50	57	34	45	38
Craig	76	83	51	NA	NA	NA	NA
Culpeper	438	256	146	171	64	117	182
Cumberland	74	43	32	30	26	26	43
Dickenson	55	203	204	252	237	237	301
Dinwiddie	227	182	158	193	140	159	136
Essex	95	67	63	102	60	49	75
Fairfax	11,170	11,150	13,108	11,786	5,118	5,737	6,788
Fauquier	966	836	616	547	294	268	370
Floyd	121	60	51	60	34	47	56
Fluvanna	250	171	133	137	71	76	104
Franklin	643	657	819	571	445	197	233
Frederick	592	693	487	357	189	216	341
Giles	148	111	142	177	160	131	158
Gloucester	909	911	927	888	420	394	406
Goochland	231	205	164	149	127	104	103
Grayson	215	188	202	154	146	175	289
Greene	148	135	130	112	107	118	150
Greensville	64	83	88	87	63	74	99

TABLE 5. (continued)
Residential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES (continued)							
Halifax	139	20	345	293	222	261	273
Hanover	1,471	1,079	744	524	322	261	460
Henrico	3,199	2,977	3,720	2,827	969	1,471	1,931
Henry	762	576	671	565	388	398	529
Highland	19	34	33	57	73	31	32
Isle of Wight	501	NA	NA	402	250	204	277
James City	1,347	929	706	718	519	391	303
King and Queen	82	80	97	79	60	55	64
King George	283	249	199	102	148	127	113
King William	130	75	78	74	46	41	88
Lancaster	141	150	246	204	101	89	129
Lee	259	309	327	315	254	168	366
Loudoun	2,218	1,884	1,373	1,175	711	390	343
Louisa	381	354	206	228	219	220	214
Lunenburg	78	91	NA	NA	98	72	96
Madison	94	69	73	71	52	52	53
Mathews	141	96	112	90	59	75	80
Mecklenburg	398	355	307	301	263	362	260
Middlesex	149	NA	132	153	105	97	102
Montgomery	578	437	359	382	470	637	631
Nelson	227	257	227	250	216	172	228
New Kent	213	135	152	126	70	74	98
Northampton	127	92	170	105	62	53	62
Northumberland	203	158	NA	138	120	133	143
Nottoway	102	86	80	76	111	97	155
Orange	252	271	223	214	122	137	164
Page	221	174	138	223	112	145	156
Patrick	235	213	291	204	158	230	212
Pittsylvania	907	771	833	884	693	666	800
Powhatan	228	147	131	110	63	76	102
Prince Edward	135	139	125	144	90	161	94
Prince George	216	203	215	198	146	132	260
Prince William	5,305	2,826	2,967	2,569	1,564	1,472	1,435
Pulaski	326	360	292	242	292	269	393
Rappahannock	68	54	29	56	55	37	53
Richmond	57	52	50	61	33	46	51
Roanoke	786	786	712	645	294	423	434
Rockbridge	199	179	237	169	125	63	83
Rockingham	701	611	471	417	456	478	620
Russell	374	339	339	349	356	321	443

TABLE 5. (continued)
Residential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES (continued)							
Scott	228	313	260	263	223	235	293
Shenandoah	412	326	261	322	189	470	266
Smyth	286	273	268	233	169	392	292
Southampton	169	205	123	95	87	151	95
Spotsylvania	1,487	1,265	861	639	348	338	410
Stafford	951	832	164	189	536	358	479
Surry	118	106	117	113	76	70	116
Sussex	91	99	94	119	47	122	79
Tazewell	514	528	568	607	579	585	659
Warren	280	192	171	221	65	110	164
Washington	600	540	481	408	361	378	531
Westmoreland	143	76	122	171	147	40	52
Wise	472	513	519	398	237	564	424
Wythe	311	448	274	273	215	286	287
York	1,050	852	340	274	228	204	255
CITIES							
Alexandria	178	53	368	333	231	311	530
Bedford	25	62	22	27	13	23	26
Bristol	78	60	212	42	18	51	229
Buena Vista	11	51	3	4	63	1	72
Charlottesville	89	114	162	172	55	68	231
Chesapeake	3,026	2,954	2,351	1,982	736	421	473
Clifton Forge	1	NA	NA	1	2	NA	NA
Colonial Heights	96	66	93	58	70	49	96
Covington	3	20	17	8	1	1	5
Danville	46	85	87	66	22	213	129
Emporia	6	51	5	3	4	12	72
Fairfax	45	69	44	16	19	7	13
Falls Church	12	10	1	3	2	8	28
Franklin	53	58	17	32	8	80	13
Fredericksburg	315	165	121	39	9	28	3
Galax	62	41	28	67	122	51	59
Hampton	1,982	2,068	1,089	844	371	295	391
Harrisonburg	528	319	286	197	71	105	340
Hopewell	258	128	75	33	122	31	126
Lexington	4	13	1	10	3	5	8
Lynchburg	247	366	292	290	230	131	489
Manassas	1,439	521	137	62	178	83	214
Manassas Park	60	98	57	16	37	NA	9
Martinsville	52	30	28	26	7	74	65
Newport News	2,661	2,908	3,210	1,524	783	456	477

TABLE 5. (continued)
Residential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
CITIES (continued)							
Norfolk	1,644	1,633	1,413	1,147	899	587	683
Norton	28	35	74	22	39	37	49
Petersburg	229	38	90	33	88	135	199
Poquoson	105	300	125	147	91	76	87
Portsmouth	973	456	503	410	279	241	203
Radford	176	128	294	89	89	84	12
Richmond	610	355	554	348	324	389	1,002
Roanoke	406	290	139	152	136	53	506
Salem	127	93	152	131	42	54	87
South Boston	8	62	22	27	83	6	86
Staunton	79	136	45	53	21	28	130
Suffolk	604	434	696	494	293	79	300
Virginia Beach	9,339	8,292	7,661	8,635	5,023	3,243	3,002
Waynesboro	87	54	55	136	37	54	28
Williamsburg	84	109	94	66	82	9	19
Winchester	327	209	88	130	34	79	83
PLANNING DISTRICTS							
LENOWISCO	987	1,170	1,180	998	753	1,004	1,132
Cumberland Plateau	1,200	1,350	1,414	1,469	1,506	1,555	1,800
Mount Rogers	1,992	1,967	1,856	1,492	1,335	1,695	2,076
New River Valley	1,349	1,096	1,138	950	1,045	1,168	1,250
Fifth	1,639	1,571	1,334	1,169	611	645	1,368
Central Shenandoah	2,404	2,007	1,820	1,579	1,441	1,179	1,787
Lord Fairfax	1,949	1,654	1,195	1,310	623	1,065	1,048
Northern Virginia	21,768	17,489	18,347	17,015	8,256	8,594	9,928
Rappahannock-Rapidan	1818	1,486	1,087	1,059	587	611	822
Thomas Jefferson	1,843	1,759	1,580	1,983	1,163	1,294	1,492
Central Virginia	1,838	1,798	1,686	1,682	1,170	1,416	1,996
West Piedmont	2,645	2,332	2,729	2,316	1,713	1,778	1,968
Southside	729	590	842	769	743	846	789
Piedmont	812	722	584	526	573	561	599
Richmond Regional	10,313	9,284	9,098	7,711	3,791	4,669	7,118
RADCO	3,257	2,709	1,531	1,160	1,244	1,034	1,290
Northern Neck	544	436	418	574	401	308	375
Middle Peninsula	1,506	1,229	1,409	1,386	750	711	815
Crater	1,305	956	935	837	756	784	1,183
Southeastern Virginia	16,309	14,032	12,764	13,197	7,575	5,006	5,046
Peninsula	7,229	7,166	5,564	3,573	2,074	1,431	1,532
Accomack-Northampton	608	442	486	378	301	218	407
VIRGINIA	84,044	73,245	68,997	63,133	38,411	37,572	45,821

TABLE 6.
Nonresidential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES							
Accomack	54	50	49	43	58	77	46
Albemarle	192	200	229	203	180	166	162
Alleghany	41	25	37	34	33	NA	32
Amelia	4	6	23	18	30	15	39
Amherst	47	50	45	31	31	63	14
Appomattox	0	34	12	28	22	19	17
Arlington	23	18	27	4	8	7	8
Augusta	266	218	196	225	228	240	227
Bath	27	9	3	39	56	NA	50
Bedford	0	NA	46	72	81	132	175
Bland	3	2	7	1	NA	2	1
Botetourt	0	33	40	53	60	45	66
Brunswick	43	67	51	42	27	31	46
Buchanan	32	28	42	44	46	31	37
Buckingham	0	4	35	18	31	13	26
Campbell	92	99	97	125	92	46	64
Caroline	19	19	26	24	42	23	55
Carroll	115	100	52	62	45	68	82
Charles City	47	37	19	22	NA	10	NA
Charlotte	19	15	16	17	17	20	39
Chesterfield	195	144	7	98	84	92	92
Clarke	24	23	19	5	4	2	8
Craig	1	13	4	NA	NA	NA	NA
Culpeper	95	105	106	105	69	104	99
Cumberland	10	11	24	26	27	16	21
Dickenson	4	NA	4	28	22	16	19
Dinwiddie	53	26	57	25	28	9	5
Essex	43	36	37	35	40	32	33
Fairfax	815	601	584	305	250	205	641
Fauquier	185	100	154	122	150	121	119
Floyd	6	21	7	6	8	11	21
Fluvanna	5	20	25	20	31	23	16
Franklin	326	279	198	133	172	136	136
Frederick	119	146	132	133	107	110	138
Giles	26	8	16	17	12	5	4
Gloucester	22	19	41	24	34	20	28
Goochland	60	71	50	39	49	53	41
Grayson	2	10	47	44	60	28	36
Greene	49	54	57	29	33	48	59
Greensville	8	3	6	9	NA	3	15

TABLE 6. (continued)
Nonresidential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES (continued)							
Halifax	55	NA	8	5	NA	5	5
Hanover	77	114	110	88	81	79	89
Henrico	309	330	314	332	300	302	300
Henry	90	85	75	64	56	59	73
Highland	2	46	46	59	67	48	73
Isle of Wight	0	NA	NA	65	89	44	57
James City	19	36	36	168	100	109	119
King and Queen	25	24	24	40	22	3	8
King George	1	1	11	17	19	43	26
King William	0	1	1	NA	NA	1	NA
Lancaster	84	43	57	58	74	71	62
Lee	23	15	16	11	13	13	19
Loudoun	0	36	55	92	84	87	86
Louisa	13	15	12	7	19	46	33
Lunenburg	7	NA	NA	NA	21	35	27
Madison	28	29	28	18	26	20	23
Mathews	4	1	74	53	37	34	31
Mecklenburg	80	49	49	61	71	30	54
Middlesex	88	NA	120	81	48	69	66
Montgomery	76	74	49	43	54	86	59
Nelson	52	31	41	52	71	41	51
New Kent	44	46	31	31	30	6	12
Northampton	5	78	10	15	4	11	7
Northumberland	3	2	NA	51	17	16	16
Nottoway	12	12	9	18	1	5	9
Orange	37	16	18	19	18	18	18
Page	221	146	133	131	136	147	126
Patrick	9	10	15	18	7	11	17
Pittsylvania	213	228	249	193	168	163	140
Powhatan	5	16	10	3	1	10	13
Prince Edward	15	15	22	18	10	6	9
Prince George	60	99	97	66	8	72	56
Prince William	194	194	120	84	78	46	94
Pulaski	15	17	15	12	44	12	10
Rappahannock	6	2	31	41	28	41	30
Richmond	0	NA	2	2	4	8	1
Roanoke	135	133	130	122	49	129	115
Rockbridge	60	46	52	55	49	59	55
Rockingham	564	456	384	410	482	500	902
Russell	3	3	6	7	5	3	7

TABLE 6. (continued)
Nonresidential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
COUNTIES (continued)							
Scott	6	11	11	10	8	11	5
Shenandoah	165	148	88	122	114	135	125
Smyth	27	18	13	10	7	17	20
Southampton	15	140	112	78	106	82	79
Spotsylvania	311	256	256	140	65	106	107
Stafford	14	38	40	17	24	81	77
Surry	9	3	5	NA	5	1	4
Sussex	18	5	5	16	8	43	37
Tazewell	111	128	72	82	90	62	62
Warren	91	83	32	41	9	32	22
Washington	58	52	46	64	32	45	56
Westmoreland	1	NA	NA	11	NA	NA	NA
Wise	29	31	46	56	61	45	29
Wythe	39	45	70	51	42	51	54
York	98	54	83	75	85	91	90
CITIES							
Alexandria	23	7	13	49	54	42	31
Bedford	46	8	7	6	8	1	4
Bristol	28	52	41	20	29	27	38
Buena Vista	27	2	2	33	5	2	1
Charlottesville	49	41	39	51	48	31	35
Chesapeake	136	102	101	99	304	330	218
Clifton Forge	7	NA	NA	2	1	NA	NA
Colonial Heights	56	42	58	50	43	6	12
Covington	6	6	7	3	NA	5	21
Danville	82	53	59	59	53	10	13
Emporia	14	18	14	20	10	25	19
Fairfax	17	45	15	27	3	8	27
Falls Church	6	10	15	1	4	2	5
Franklin	31	12	10	3	12	5	6
Fredericksburg	37	27	27	18	10	12	4
Galax	18	6	7	16	5	5	7
Hampton	1,107	996	866	756	648	723	675
Harrisonburg	62	55	57	41	25	41	35
Hopewell	16	12	15	9	9	19	23
Lexington	1	1	NA	NA	4	8	8
Lynchburg	88	75	64	51	53	53	119
Manassas	42	27	13	4	34	20	11
Manassas Park	62	26	3	3	3	3	NA
Martinsville	6	6	11	4	4	6	7
Newport News	393	373	291	263	181	190	134

TABLE 6. (continued)
Nonresidential Building Permits Issued in Virginia Localities, 1980–1986

	1986	1985	1984	1983	1982	1981	1980
CITIES (continued)							
Norfolk	200	218	252	383	446	171	237
Norton	3	3	NA	1	NA	5	6
Petersburg	32	31	45	33	15	34	37
Poquoson	6	2	7	1	29	19	31
Portsmouth	222	266	290	128	188	190	210
Radford	5	NA	4	2	9	8	2
Richmond	102	139	135	100	159	180	158
Roanoke	135	157	101	58	69	86	103
Salem	48	54	56	35	40	36	37
South Boston	2	3	4	2	2	4	NA
Staunton	32	22	35	34	24	7	11
Suffolk	62	206	296	201	149	201	248
Virginia Beach	691	656	775	636	512	357	357
Waynesboro	37	39	58	50	26	29	31
Williamsburg	13	15	7	7	16	10	14
Winchester	50	71	50	57	43	13	12
PLANNING DISTRICTS							
LENOWISCO	61	60	73	78	82	74	59
Cumberland Plateau	150	159	124	161	163	112	125
Mount Rogers	290	285	283	268	220	243	294
New River Valley	128	120	91	80	127	122	96
Fifth	373	421	375	307	252	301	374
Central Shenandoah	1,078	894	833	946	966	934	1,393
Lord Fairfax	670	617	454	489	413	439	431
Northern Virginia	1,182	964	845	569	518	420	903
Rappahannock-Rapidan	351	252	337	305	291	304	289
Thomas Jefferson	360	361	403	362	382	355	356
Central Virginia	273	266	271	313	287	314	393
West Piedmont	726	661	607	471	460	385	386
Southside	180	119	112	110	100	70	105
Piedmont	67	63	129	115	137	110	170
Richmond Regional	839	897	676	713	704	732	705
RADCO	382	341	360	216	160	265	269
Northern Neck	88	45	59	122	95	95	79
Middle Peninsula	182	81	297	233	181	159	166
Crater	266	239	302	228	126	212	208
Southeastern Virginia	1,357	1,600	1,836	1,593	1,806	1,380	1,412
Peninsula	1,636	1,476	1,290	1,270	1,059	1,142	1,063
Accomack Northampton	59	128	59	58	62	88	53
VIRGINIA	10,698	10,049	9,816	9,007	8,591	8,256	9,329

VIRGINIA PLANNING DISTRICTS

1 **LENOWISCO**

- Norton City
- Lee County
- Scott County
- Wise County

2 **Cumberland Plateau**

- Buchanan County
- Dickenson County
- Russell County
- Tazewell County

3 **Mount Rogers**

- Bristol City
- Galax City
- Bland County
- Carroll County
- Grayson County
- Smyth County
- Washington County
- Wythe County

4 **New River Valley**

- Radford City
- Floyd County
- Giles County
- Montgomery County
- Pulaski County

5 **Fifth**

- Clifton Forge City
- Covington City
- Roanoke City
- Salem City
- Alleghany County
- Botetourt County
- Craig County
- Roanoke County

6 **Central Shenandoah**

- Buena Vista City
- Harrisonburg City
- Lexington City
- Staunton City
- Waynesboro City
- Augusta County
- Bath County
- Highland County
- Rockbridge County
- Rockingham County

7 **Lord Fairfax**

- Winchester City
- Clarke County
- Frederick County
- Page County
- Shenandoah County
- Warren County

8 **Northern Virginia**

- Alexandria City
- Fairfax City
- Falls Church City
- Manassas City
- Manassas Park City
- Arlington County
- Fairfax County
- Loudoun County
- Prince William County

9 **Rappahannock-Rapidan**

- Culpeper County
- Fauquier County
- Madison County
- Orange County
- Rappahannock County

10 **Thomas Jefferson**

- Charlottesville City
- Albemarle County
- Fluvanna County
- Greene County
- Louisa County
- Nelson County

11 **Central Virginia**

- Bedford City
- Lynchburg City
- Amherst County
- Appomattox County
- Bedford County
- Campbell County

12 **West Piedmont**

- Danville City
- Martinsville City
- Franklin County
- Henry County
- Patrick County
- Pittsylvania County

13 **Southside**

- South Boston City
- Brunswick County
- Halifax County
- Mecklenburg County

14 **Piedmont**

- Amelia County
- Buckingham County
- Charlotte County
- Cumberland County
- Lunenburg County
- Nottoway County
- Prince Edward County

15 **Richmond Regional**

- Richmond City
- Charles City County
- Chesterfield County
- Goochland County
- Hanover County
- Henrico County
- New Kent County
- Powhatan County

VIRGINIA PLANNING DISTRICTS (continued)

16 RADCO

Fredericksburg City
Caroline County
King George County
Spotsylvania County
Stafford County

17 Northern Neck

Lancaster County
Northumberland County
Richmond County
Westmoreland County

18 Middle Peninsula

Essex County
Gloucester County
King and Queen County
King William County
Mathews County
Middlesex County

19 Crater

Colonial Heights City
Emporia City
Hopewell City
Petersburg City
Dinwiddie County
Greensville County
Prince George County
Surry County
Sussex County

20 Southeastern Virginia

Chesapeake City
Franklin City
Norfolk City
Portsmouth City
Suffolk City
Virginia Beach City
Isle of Wight County
Southampton County

21 Peninsula

Hampton City
Newport News City
Poquoson City
Williamsburg City
James City County
York County

22 Accomack-Northampton

Accomack County
Northampton County

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